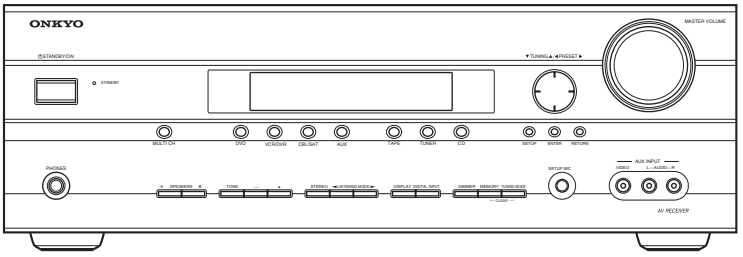
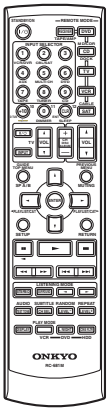
Ref. No. 4010
042007

ONKYO SERVICE MANUAL

AV RECEIVER
MODEL HT-R550





RC-681M

Black and Silver models

B MDD	120V AC, 60Hz
B MDC	120V AC, 60Hz
B MPA	230-240V AC, 50Hz

---	---
S MDC	120V AC, 60Hz
S MPA	230-240V AC, 50Hz

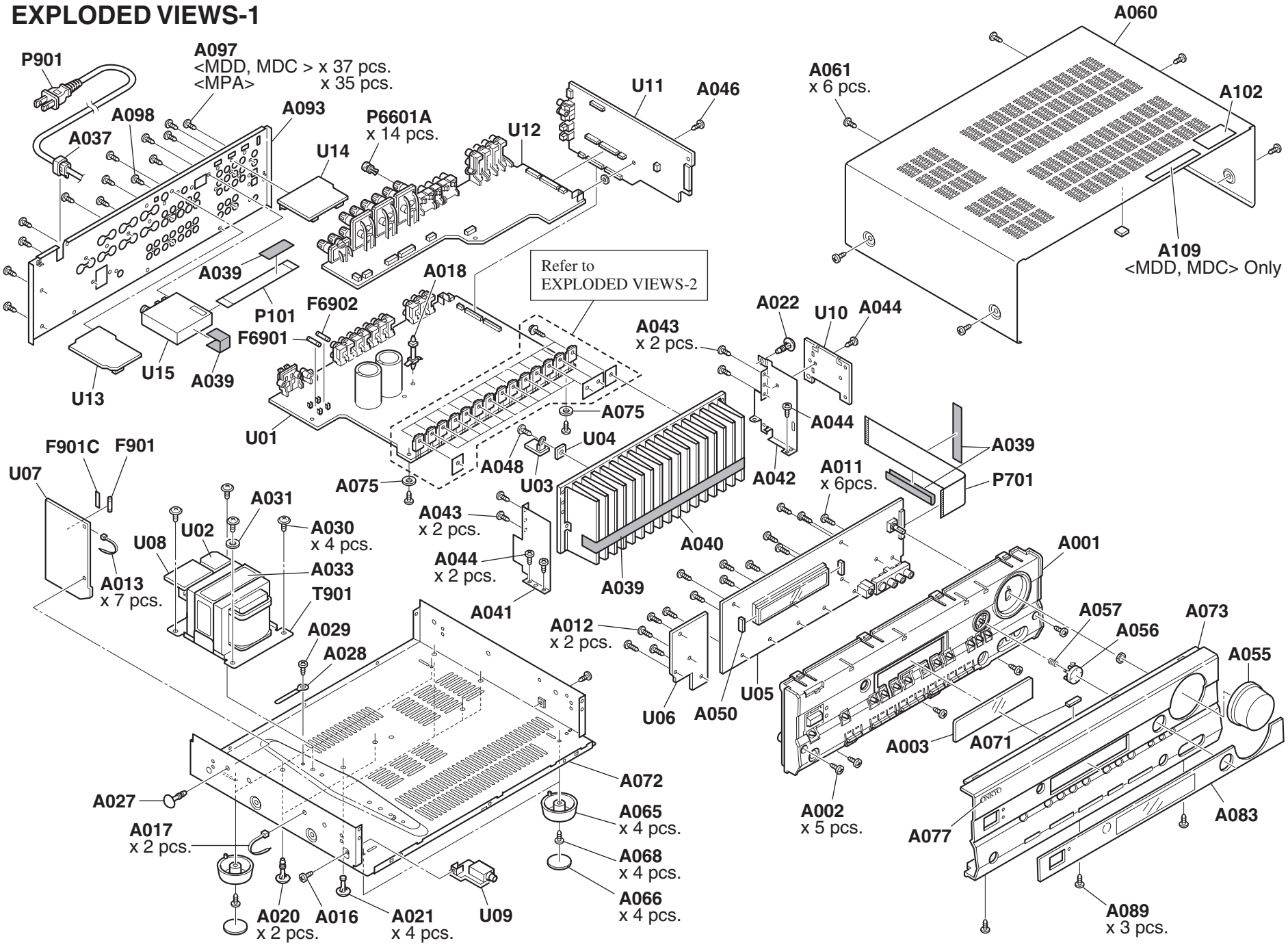
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

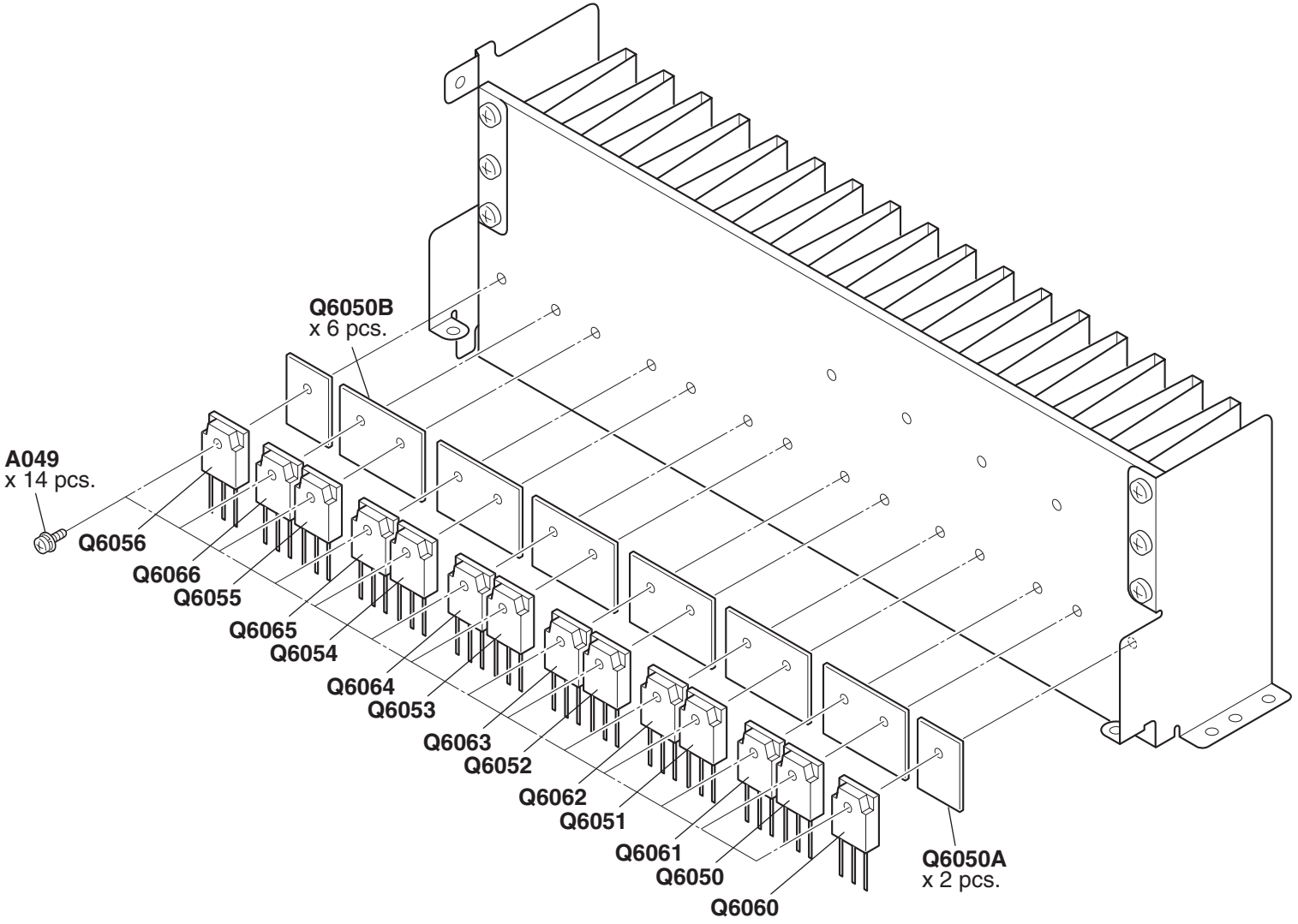
MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

ONKYO®
IMAGINATIVE SIGHT & SOUND

EXPLODED VIEWS-1



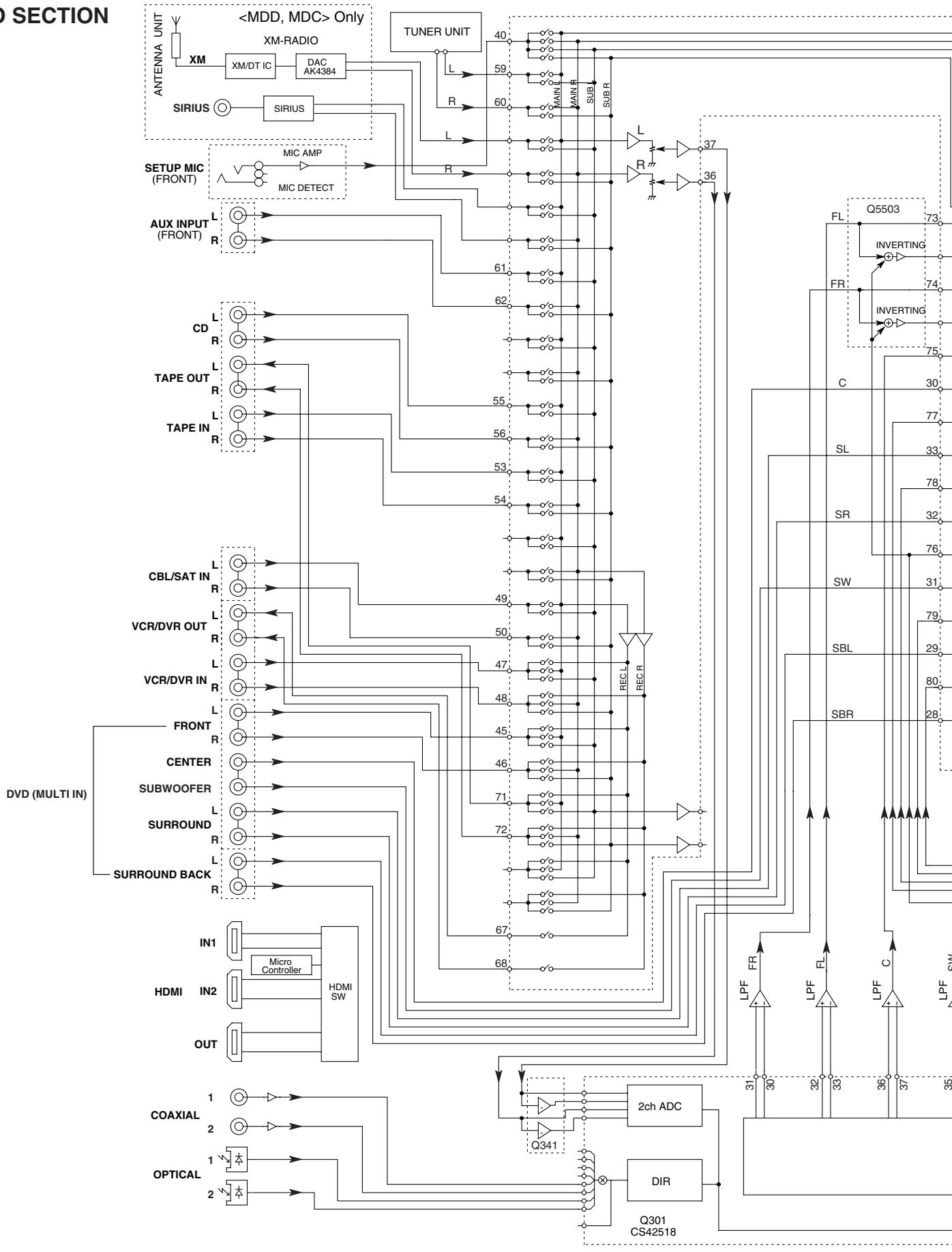
EXPLODED VIEWS-2



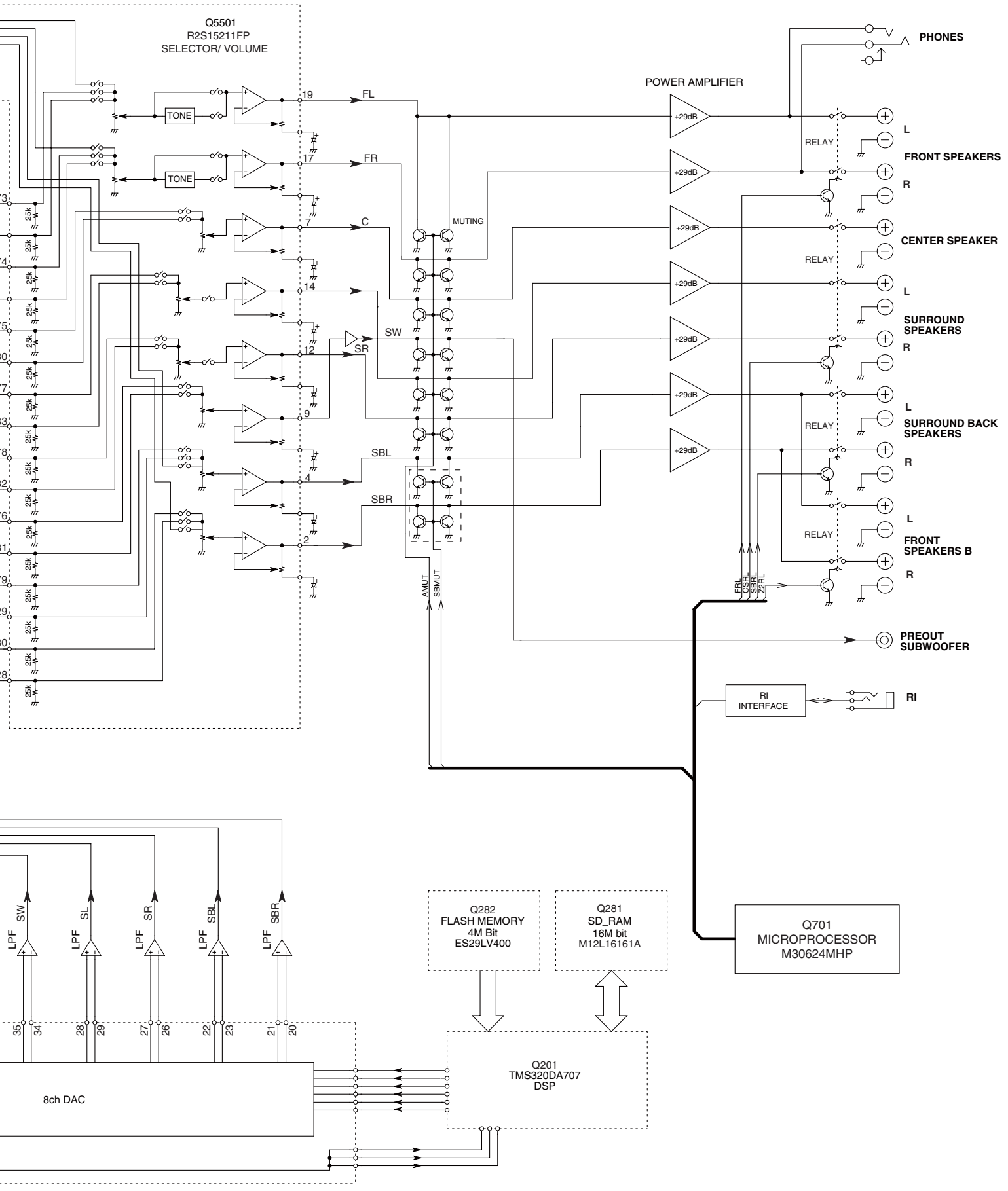
HT-R550

BLOCK DIAGRAMS-1

AUDIO SECTION

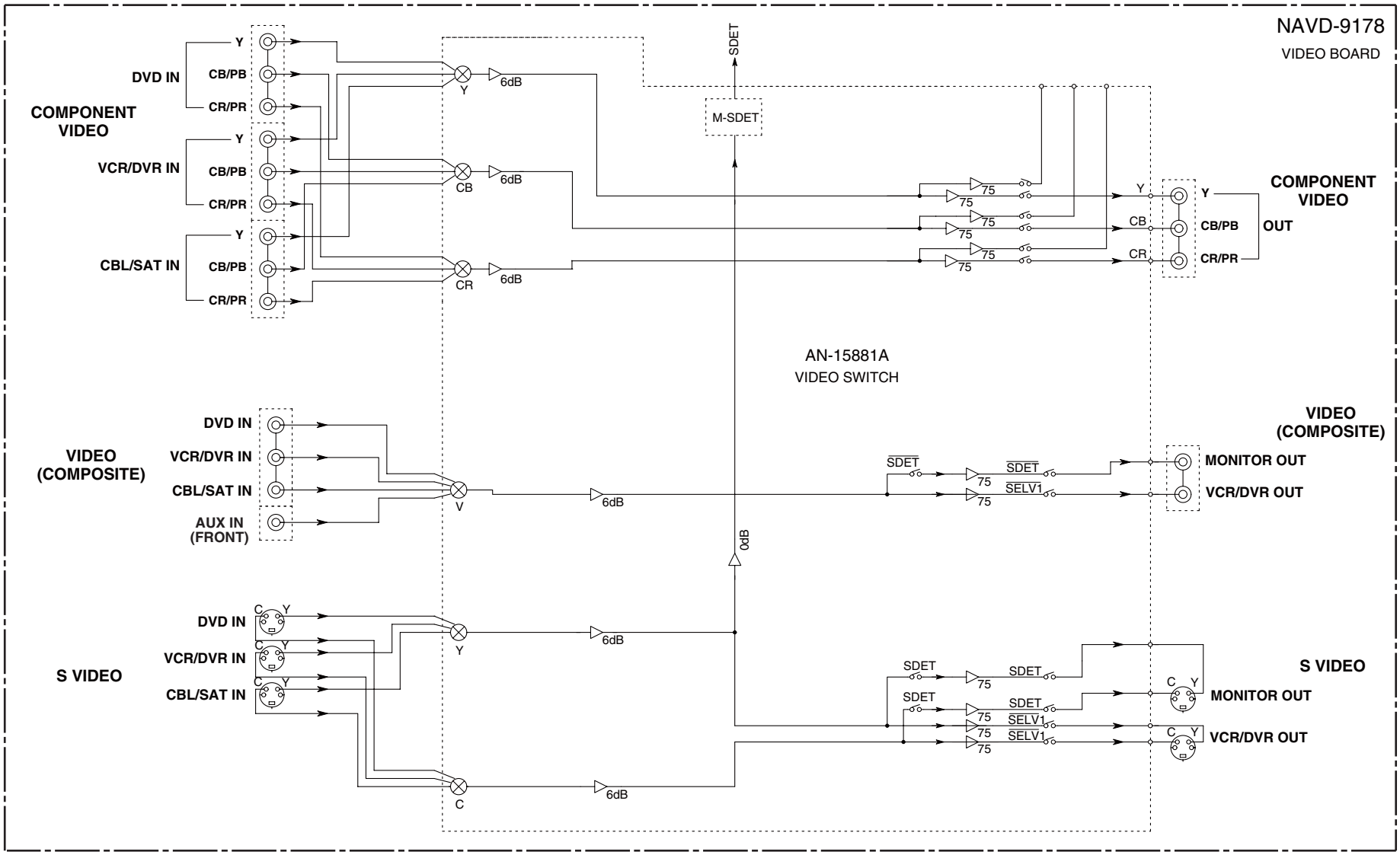


E F G H


Q5501
R2S15211FP
SELECTOR/ VOLUME
TONE
TONE
FL
FR
C
SW
SR
SBL
SBR
MUTING
AMUT
SBMUT
POWER AMPLIFIER
+29dB
RELAY
PHONES
L
FRONT SPEAKERS
R
CENTER SPEAKER
SURROUND SPEAKERS
SURROUND BACK SPEAKERS
FRONT SPEAKERS B
PREOUT SUBWOOFER
RI INTERFACE
RI
FRL
CSRL
SBRL
Z2RL
LPF
8ch DAC
Q282
FLASH MEMORY
4M Bit
ES29LV400
Q281
SD_RAM
16M bit
M12L16161A
Q701
MICROPROCESSOR
M30624MHP
Q201
TMS320DA707
DSP

BLOCK DIAGRAMS-2

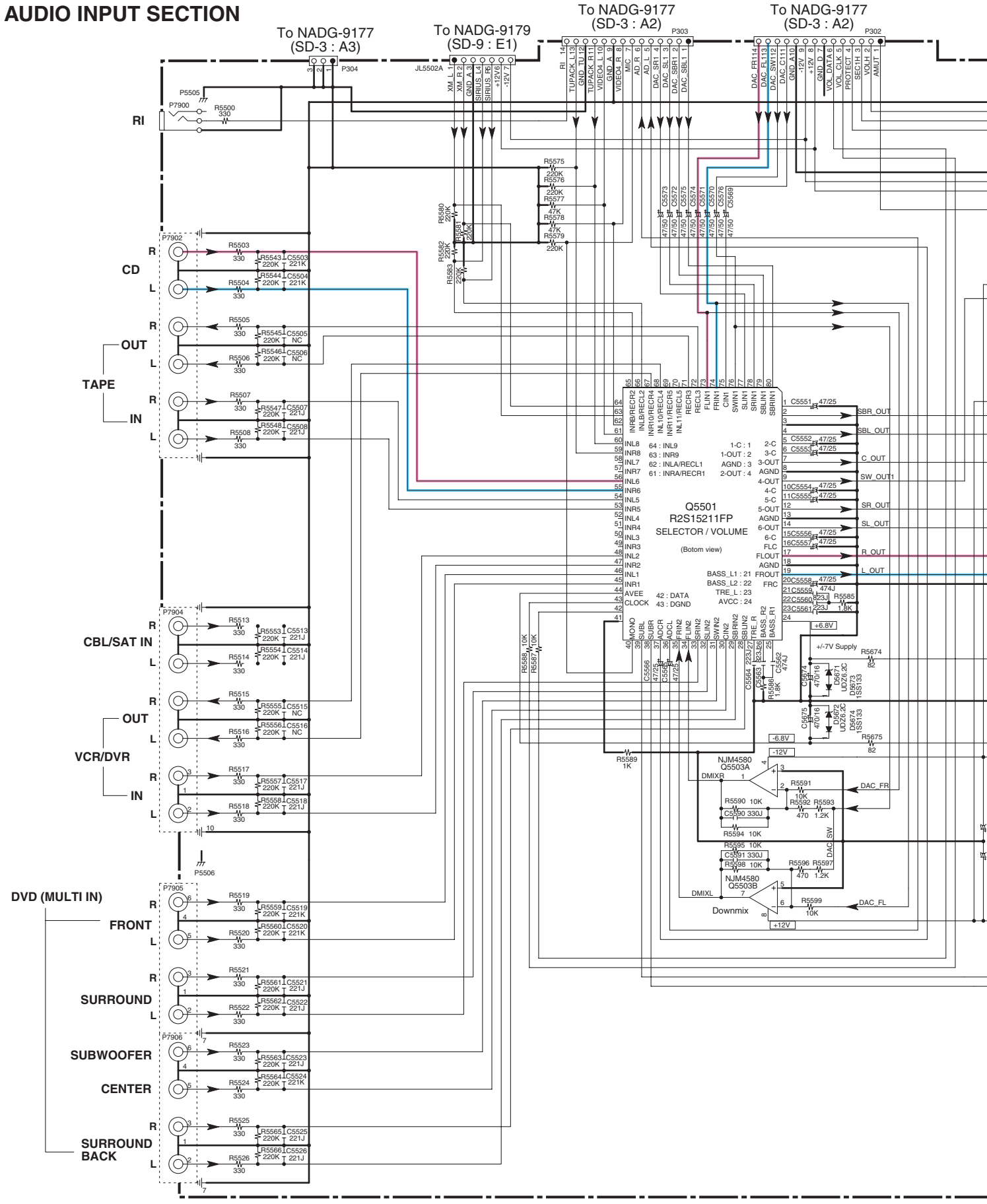
VIDEO SECTION



HT-R550

SCHEMATIC DIAGRAMS-1

AUDIO INPUT SECTION



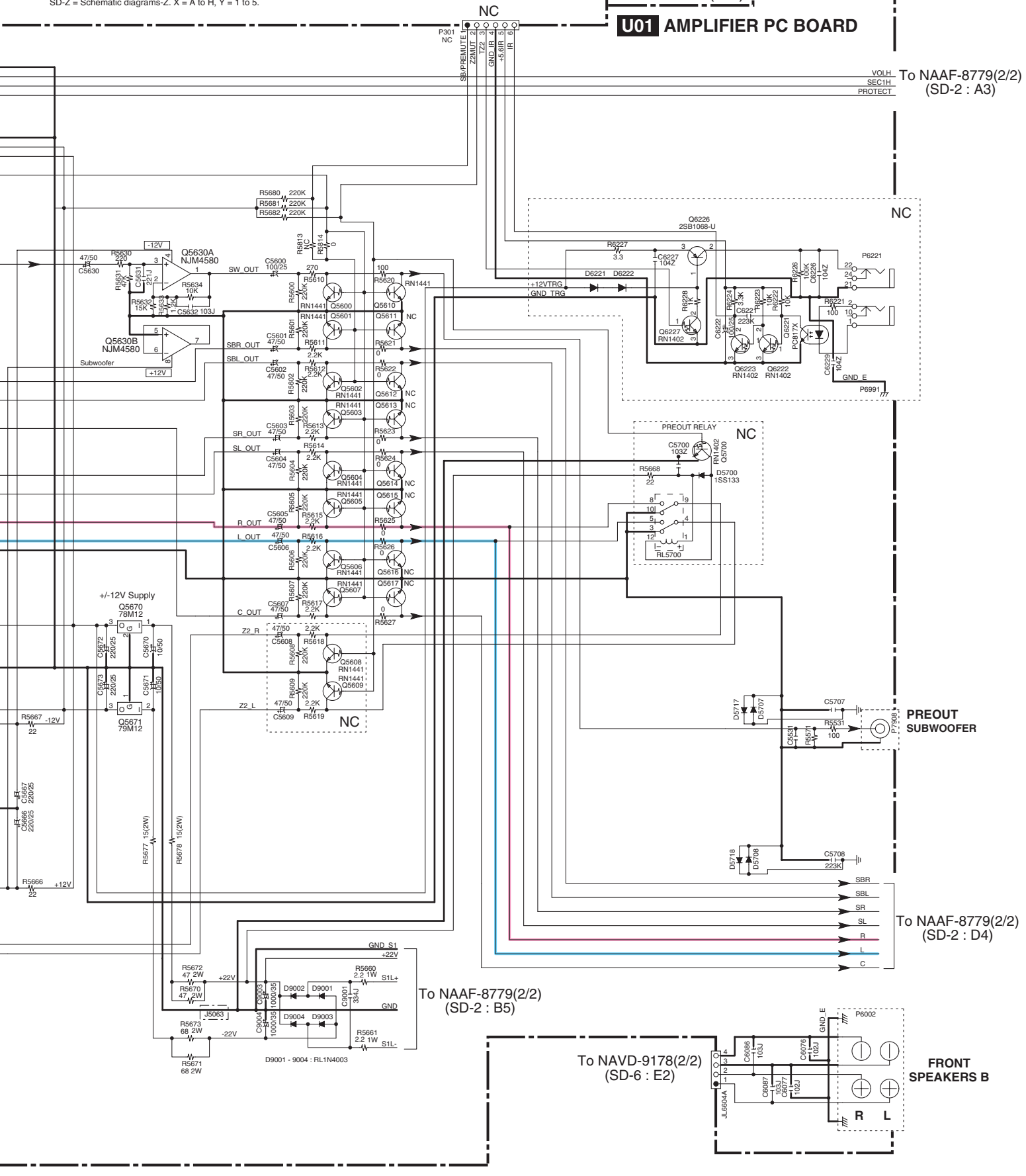
E F G H

<Note>
NC = No mount of parts.
SD-Z : XY
Location of connected terminal in schematic diagrams.
SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.

FRONT Lch
FRONT Rch

NAAF-8779(1/2)

U01 AMPLIFIER PC BOARD



SCHEMATIC DIAGRAMS-2

POWER AMPLIFIER SECTION

NOTE

- THE COMPONENTS IDENTIFIED BY MARK ⚠ ARE CRITICAL FOR SAFETY REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER) ⟨ ⟩ IS DC VOLTAGE.(NO INPUT SIGNAL).
- ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE NOTED.
- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (⏚) ARE IN uF/WV.
- ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED.
  EX) 030- 3pF 330- 33pF 331- 330pF 333- 0.033uF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
  EX) ⊙⊙⊙ PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

<Note>

NC = No mount of parts.

SD-Z : XY
Location of connected terminal in schematic diagrams.
SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.

FRONT Lch

FRONT Rch

Refer to following table about the parts displayed by mark "**LIST**".

Q6050 - 6052	Q6053- 6056	Q6060- 6062	Q6063 - 6066
2SC5242	2SC5242	2SA1962	2SA1962

NAAF-8779(2/2) **U01** AMPLIFIER PC BOARD

To NAAF-8779(1/2)
(SD-1 : H1)

VOLH
SEC1H
GNDS1
+22V
PROTECT

NAPS-8780
U02
TRANS. SEC. TERMINAL PC BOARD

To TRANS/ (T901)
(SD-8 : D3)

P6903B(YEW)
P6900B(BLK)
P6904B(GRN)

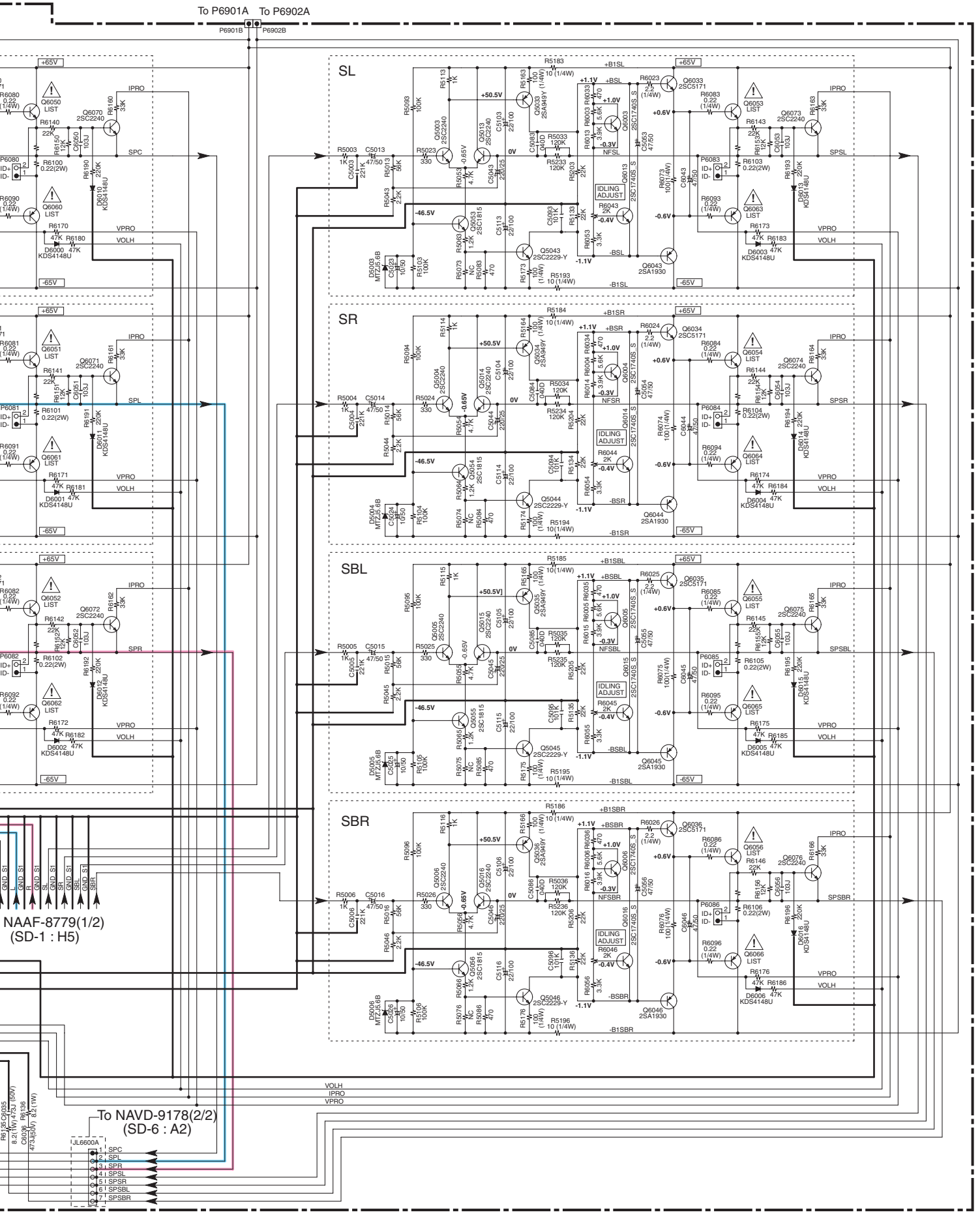
To P6901B

To P6902B

To NAVD-9178(2/2)
(SD-6 : E1)

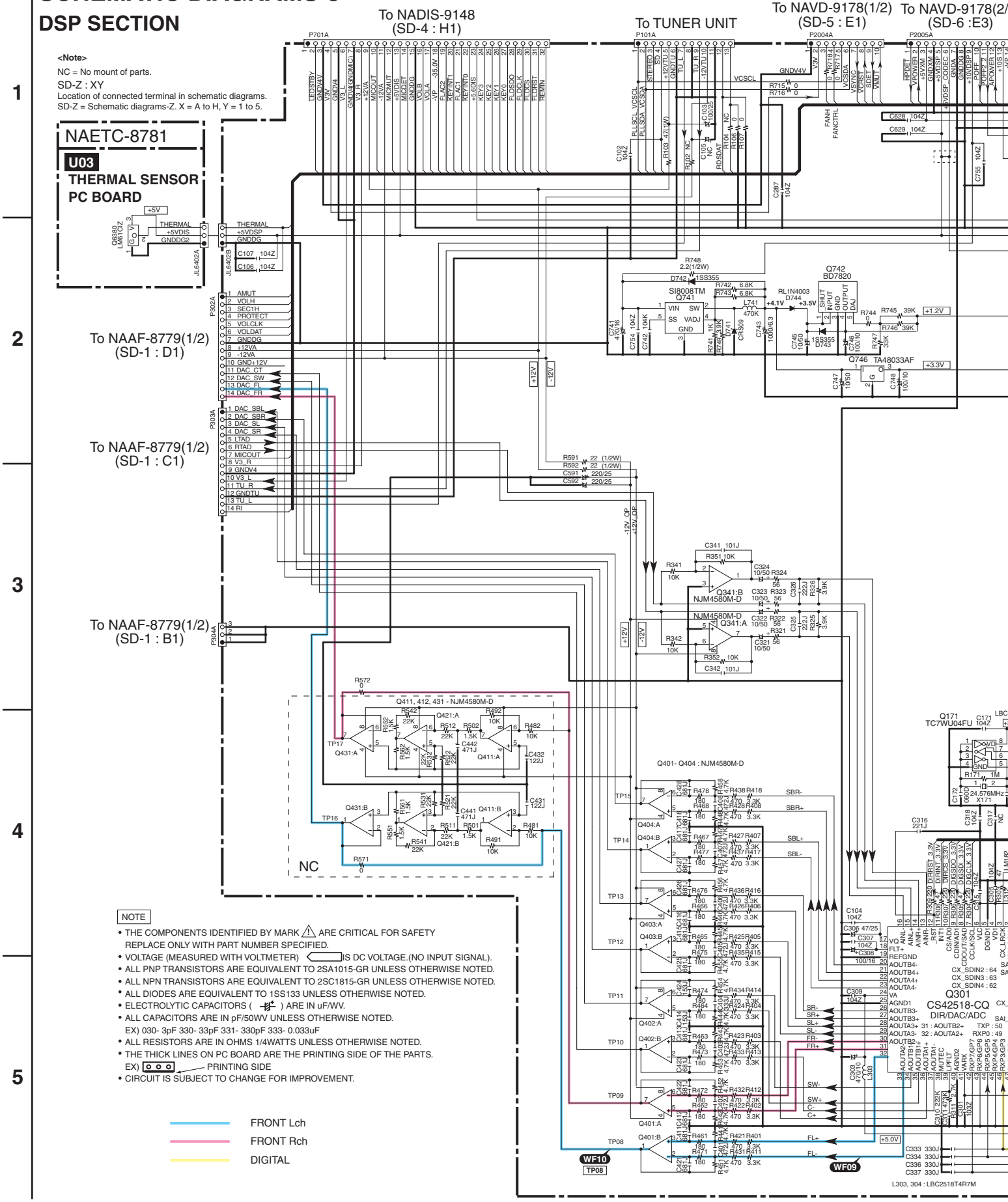
From Audio I/O
(PART 3)

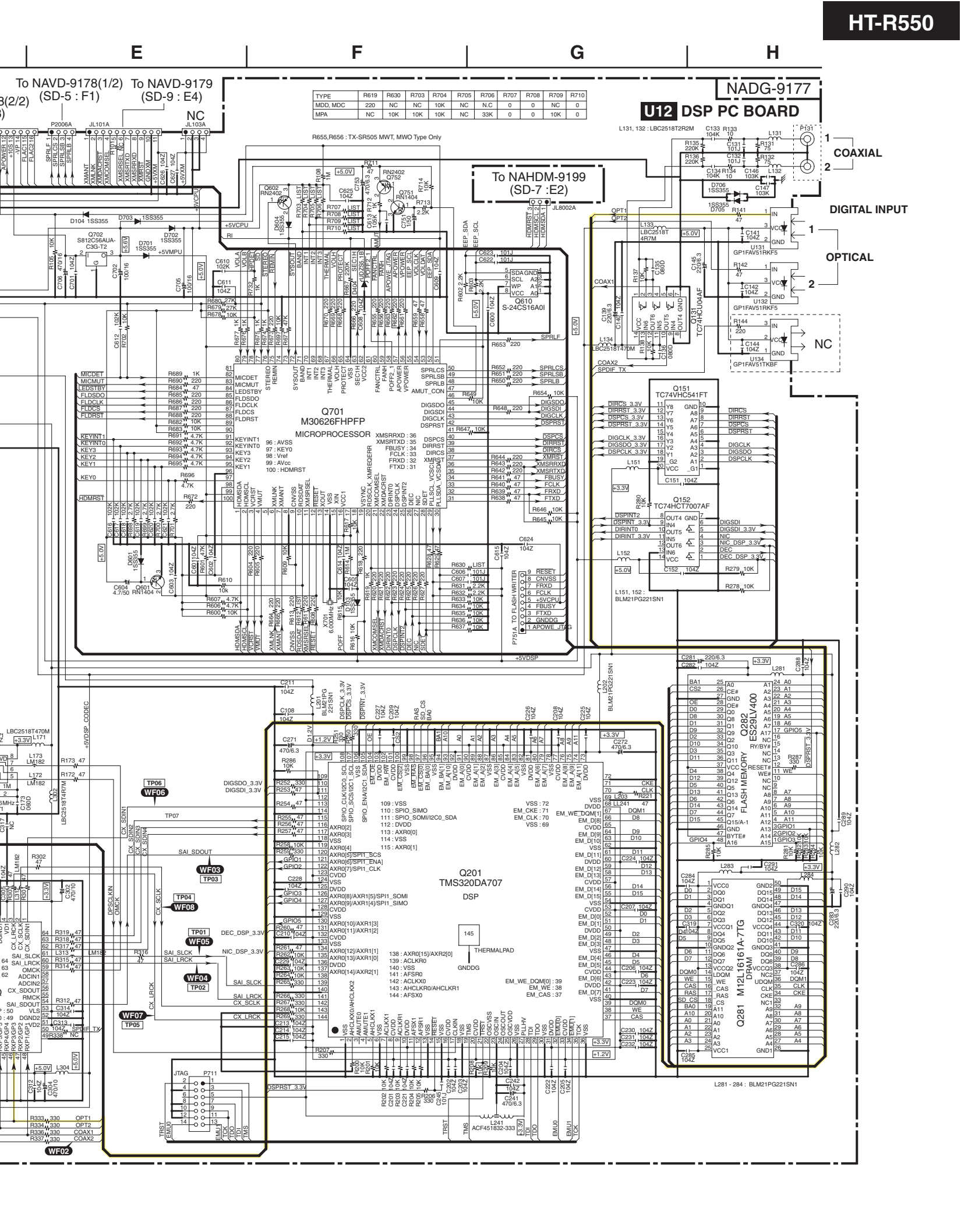
To NA
(S


E
F
G
H
To P6901A
To P6902A
P6901B
P6902B
SL
SR
SBL
SBR
+65V
-65V
IPRO
VPRO
VOLH
SPC
SPL
SPR
SPSL
SPSR
SPSBL
SPSBR
+B1SL
-B1SL
+B1SR
-B1SR
+B1SBL
-B1SBL
+B1SBR
-B1SBR
IDLING ADJUST
NFSL
NFSR
NFSBL
NFSBR
NAAF-8779(1/2)
(SD-1 : H5)
To NAVD-9178(2/2)
(SD-6 : A2)
JL6600A

SCHEMATIC DIAGRAMS-3

DSP SECTION





TYPE	R619	R630	R703	R704	R705	R706	R707	R708	R709	R710
MDD, MDC	220	NC	NC	10K	NC	N.C	0	0	NC	0
MPA	NC	10K	10K	10K	NC	33K	0	0	10K	0

SCHEMATIC DIAGRAMS-4

DISPLAY SECTION

NOTE

- THE COMPONENTS IDENTIFIED BY MARK ⚠ ARE CRITICAL FOR SAFETY REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER) ⟨ ⟩ IS DC VOLTAGE.(NO INPUT SIGNAL).
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- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (⧓) ARE IN uF/WV.
- ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED. EX) 030- 3pF 330- 33pF 331- 330pF 333- 0.033uF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS. EX) ⊡ ← PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

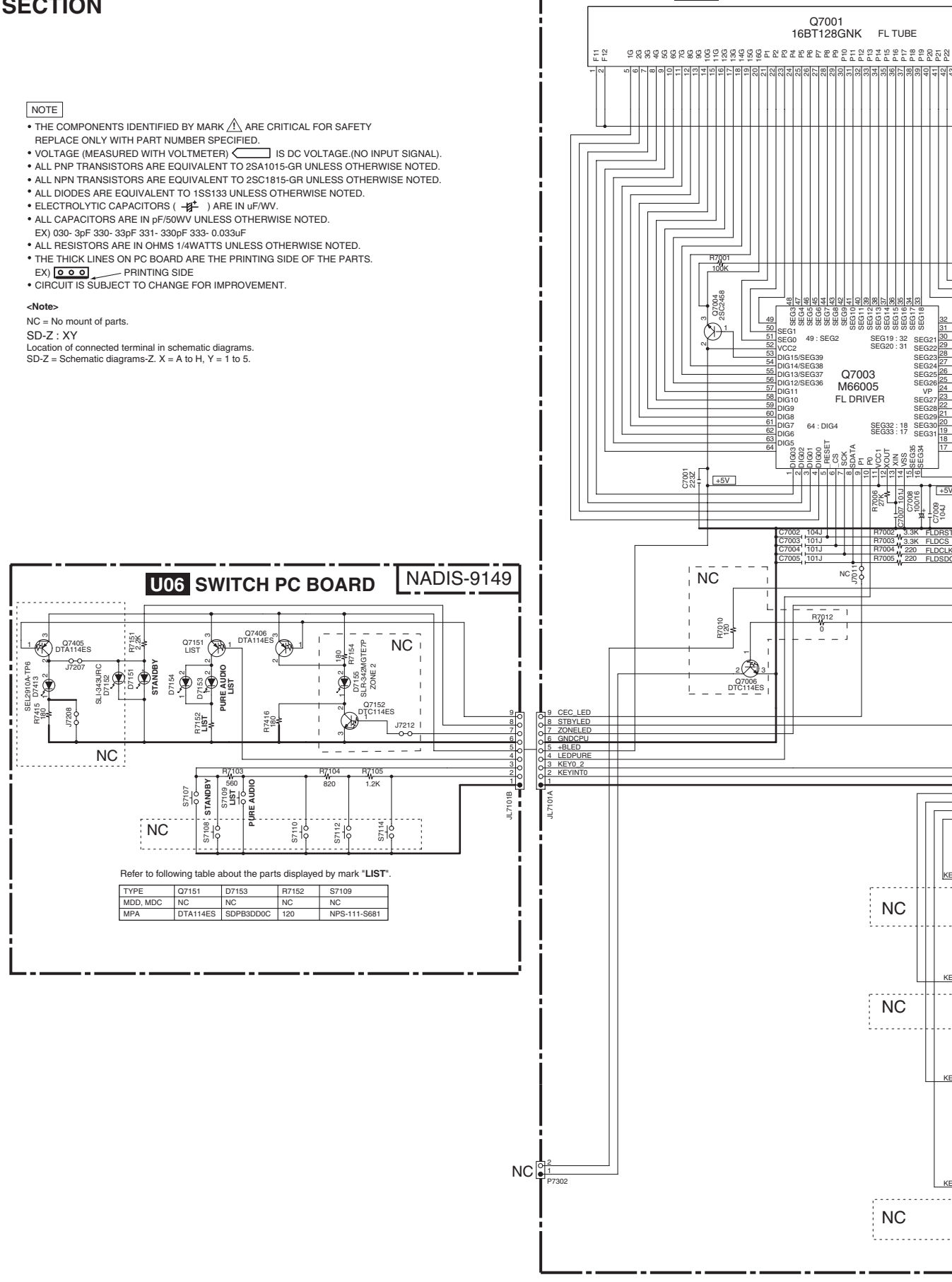
<Note>

NC = No mount of parts.

SD-Z : XY

Location of connected terminal in schematic diagrams.
SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.

NADIS-9148 **U05** DISPLAY PC BOARD

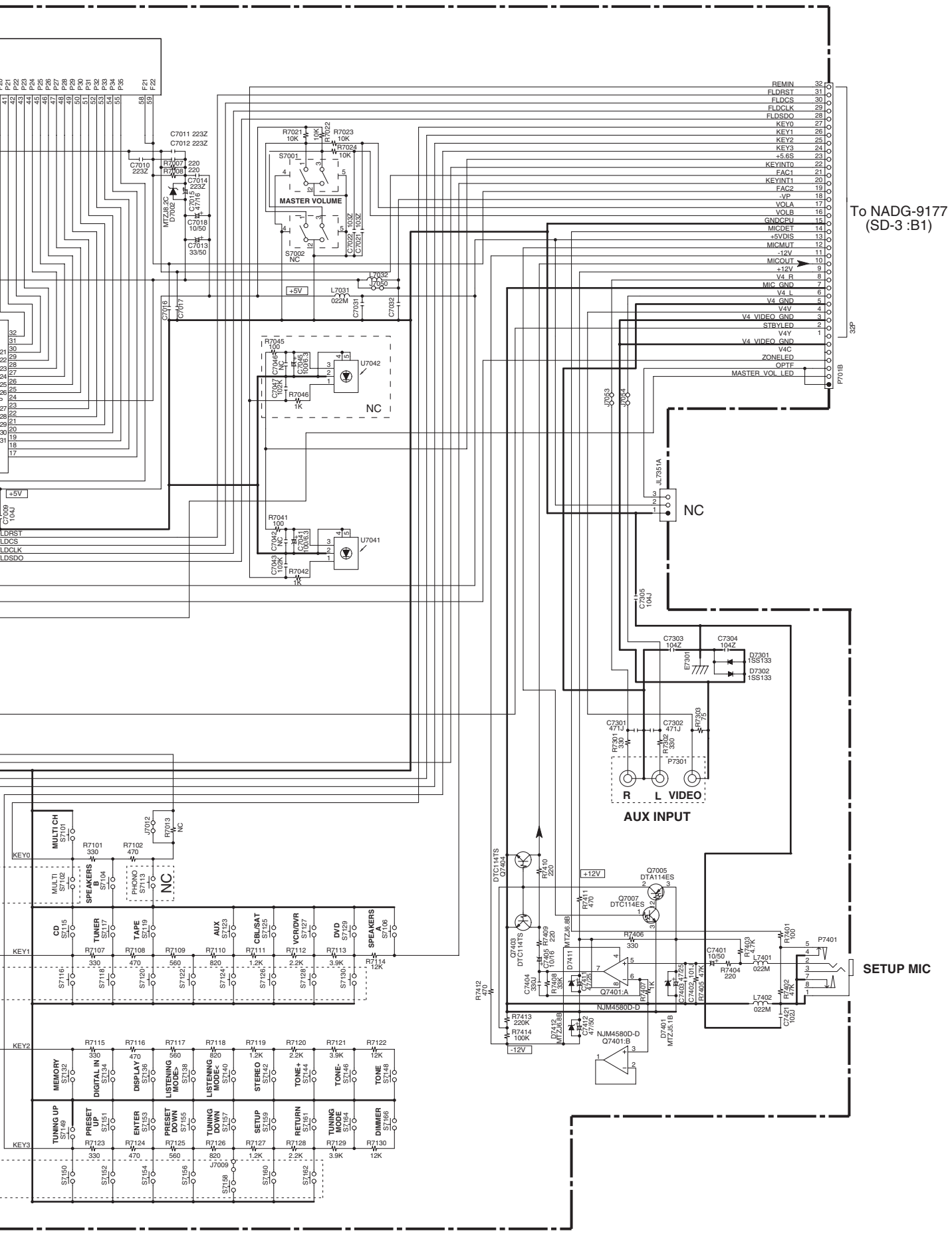


U06 SWITCH PC BOARD NADIS-9149

Refer to following table about the parts displayed by mark "**LIST**".

TYPE	Q7151	D7153	R7152	S7109
MDD, MDC	NC	NC	NC	NC
MPA	DTA114ES	SDPB3DD0C	120	NPS-111-S681

E F G H

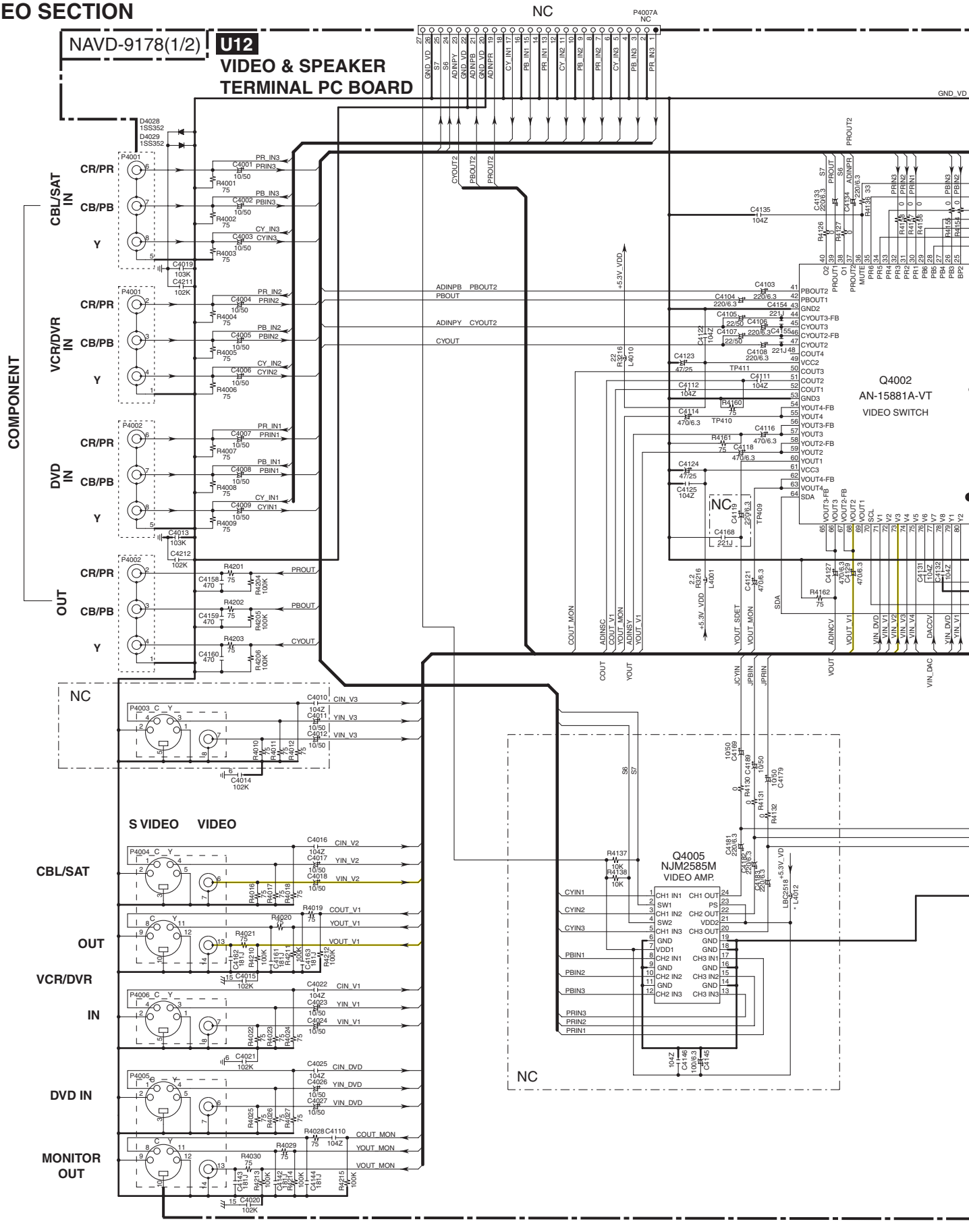

REMIN 32
FLDRST 31
FLDCS 30
FLDCLK 29
FLDSDO 28
KEY0 27
KEY1 26
KEY2 25
KEY3 24
+5.6S 23
KEYINT0 22
FAC1 21
KEYINT1 20
FAC2 19
-VP 18
VOLA 17
VOLB 16
GNDCPU 15
MICDET 14
+5VDIS 13
MICMUT 12
-12V 11
MICOUT 10
+12V 9
V4_R 8
MIC_GND 7
V4_L 6
V4_GND 5
V4V 4
V4_VIDEO_GND 3
STBYLED 2
V4Y 1
V4_VIDEO_GND
V4C
ZONELED
OPTF
MASTER_VOL_LED
P701B
32P
To NADG-9177
(SD-3 :B1)
MASTER VOLUME
S7001
S7002
NC
+5V
L7031
022M
L7032
J7050
J7053
J7054
U7042
U7041
R7045 100
R7046 1K
R7041 100
R7042 1K
C7047 102K
C7043 102K
C7045 103Z
C7041 103Z
C7011 223Z
C7012 223Z
C7010 223Z
R7007 220
R7008 220
C7014 223Z
C7015 47/16
C7018 10/50
C7013 33/50
MTZJ8.2C D7002
R7021 10K
R7022 10K
R7023 10K
R7024 10K
C7022 103Z
C7021 103Z
C7016
C7017
C7031
C7032
C7009 104J
LDRST
LDCS
LDCLK
LDSDO
JL7351A
NC
C7305 104J
C7303 104Z
C7304 104Z
E7301
D7301 1SS133
D7302 1SS133
C7301 471J
C7302 471J
R7303 75
R7301 330
R7302 330
P7301
R L VIDEO
AUX INPUT
J7012
R7013 NC
KEY0
MULTI CH S7101
MULTI S7102
SPEAKERS B S7104
PHONO S7113
NC
R7101 330
R7102 470
KEY1
CD S7115
TUNER S7117
TAPE S7119
AUX S7123
CBL/SAT S7125
VCR/DVR S7127
DVD S7129
SPEAKERS A S7106
R7107 330
R7108 470
R7109 560
R7110 820
R7111 1.2K
R7112 2.2K
R7113 3.9K
R7114 12K
S7116
S7118
S7120
S7122
S7124
S7126
S7128
S7130
KEY2
MEMORY S7132
DIGITAL IN S7134
DISPLAY S7136
LISTENING MODE> S7138
LISTENING MODE< S7140
STEREO S7142
TONE+ S7144
TONE- S7146
TONE S7148
R7115 330
R7116 470
R7117 560
R7118 820
R7119 1.2K
R7120 2.2K
R7121 3.9K
R7122 12K
KEY3
TUNING UP S7149
PRESET UP S7151
ENTER S7153
PRESET DOWN S7155
TUNING DOWN S7157
SETUP S7159
RETURN S7161
TUNING MODE S7164
DIMMER S7166
R7123 330
R7124 470
R7125 560
R7126 820
R7127 1.2K
R7128 2.2K
R7129 3.9K
R7130 12K
S7150
S7152
S7154
S7156
S7158
S7160
S7162
J7009
+12V
-12V
Q7005 DTA114ES
Q7007 DTC114ES
DTC114TS Q7404
Q7406 DTC114TS
R7410 220
R7411 470
R7406 330
MTZJ6.8B
D7411
R7409 220
C7405 10/16
R7408 39K
C7404 330
D7412 MTZJ6.8B
C7412 47/50
R7412 10
R7413 220K
R7414 100K
NJM4580D-D
Q7401:A
Q7401:B
R7407 1K
C7403 47/25
C7402 101J
R7405 47K
C7401 10/50
R7404 220
R7403 47K
R7401 100
L7401 022M
L7402 022M
C7421 102J
R7402 47K
P7401
SETUP MIC
D7401 MTZJ5.1B

SCHEMATIC DIAGRAMS-5

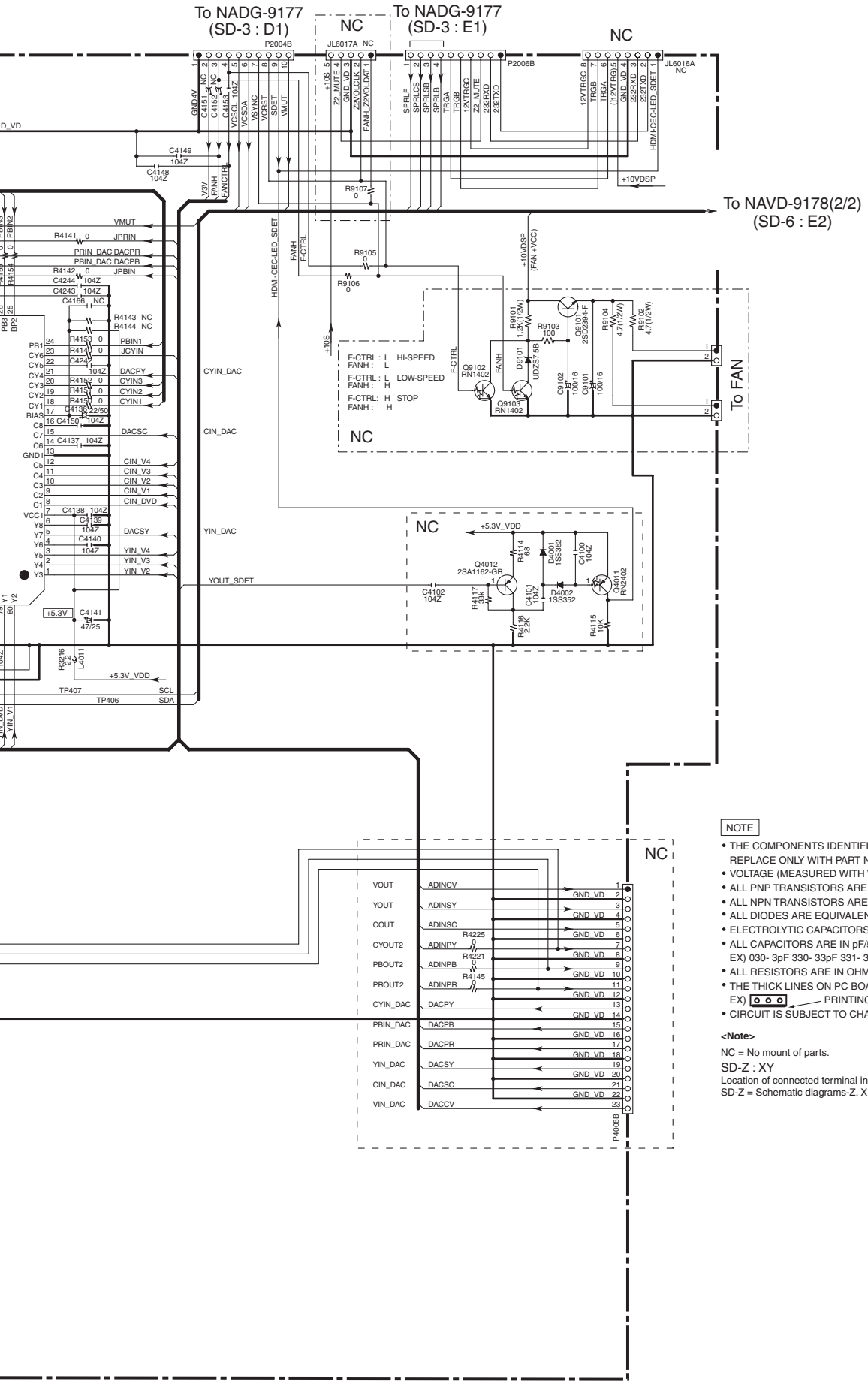
VIDEO SECTION

NAVD-9178(1/2) **U12**

VIDEO & SPEAKER TERMINAL PC BOARD



E F G H



NOTE

- THE COMPONENTS IDENTIFIED BY MARK ⚠ ARE CRITICAL FOR SAFETY REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER) ⟨ IS DC VOLTAGE.(NO INPUT SIGNAL).
- ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE NOTED.
- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS ( ) ARE IN uF/WV.
- ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED. EX) 030- 3pF 330- 33pF 331- 330pF 333- 0.033uF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS. EX) PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

<Note>

NC = No mount of parts.

SD-Z : XY

Location of connected terminal in schematic diagrams.
SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.

SCHEMATIC DIAGRAMS-6

SPEAKER TERMINAL SECTION

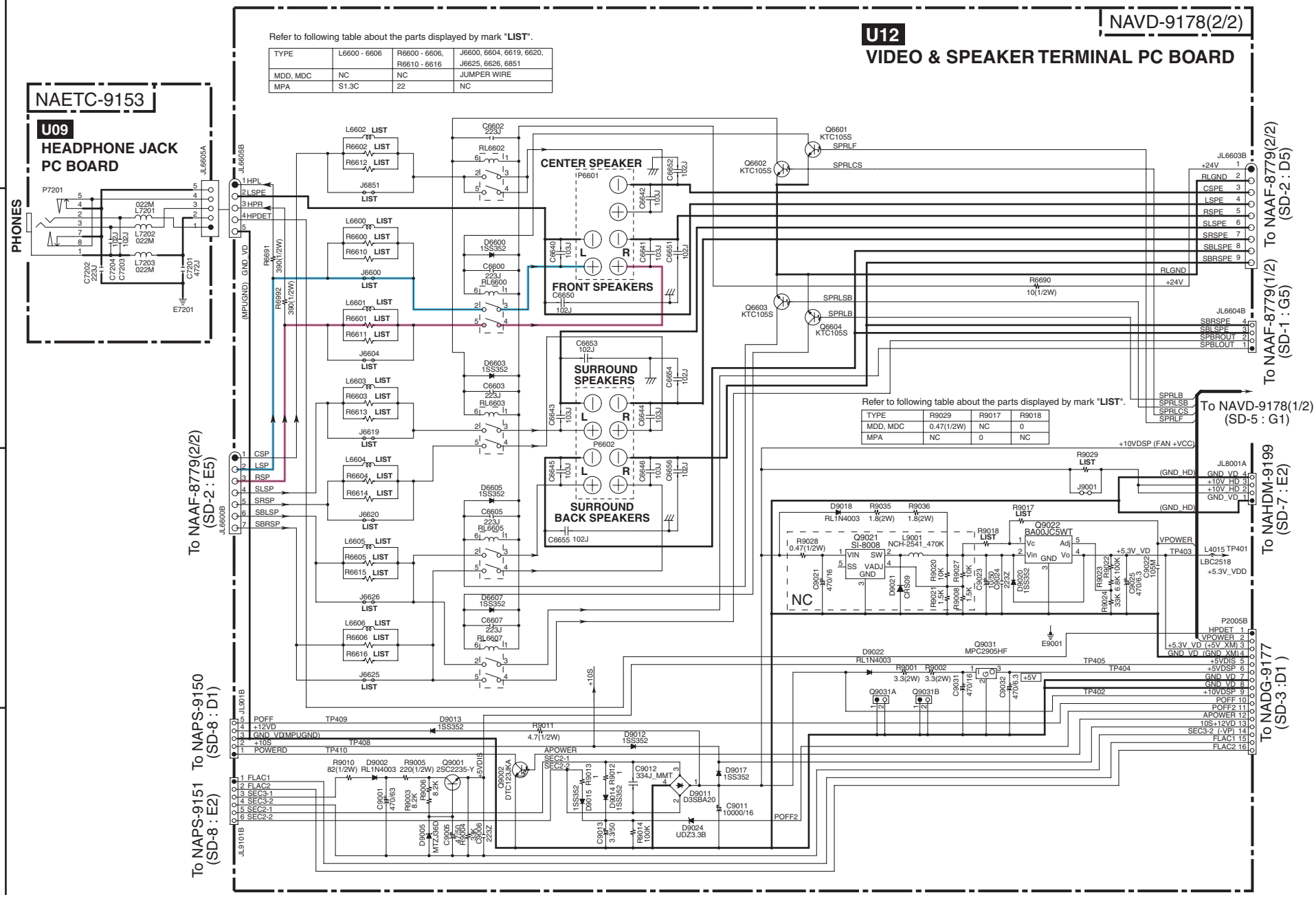
<Note>

NC = No mount of parts.

SD-Z : XY

Location of connected terminal in schematic diagrams.

SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.


NAETC-9153
U09
HEADPHONE JACK PC BOARD
PHONES
NAVD-9178(2/2)
U12
VIDEO & SPEAKER TERMINAL PC BOARD
Refer to following table about the parts displayed by mark "LIST".
TYPE | L6600 - 6606 | R6600 - 6606, R6610 - 6616 | J6600, 6604, 6619, 6620, J6625, 6626, 6851
MDD, MDC | NC | NC | JUMPER WIRE
MPA | S1.3C | 22 | NC
CENTER SPEAKER
FRONT SPEAKERS
SURROUND SPEAKERS
SURROUND BACK SPEAKERS
Refer to following table about the parts displayed by mark "LIST".
TYPE | R9029 | R9017 | R9018
MDD, MDC | 0.47(1/2W) | NC | 0
MPA | NC | 0 | NC
NC
To NAAF-8779(2/2) (SD-2 : E5)
To NAAF-8779(1/2) To NAAF-8779(2/2) (SD-1 : G5) (SD-2 : D5)
To NAVD-9178(1/2) (SD-5 : G1)
To NAHDM-9199 (SD-7 : E2)
To NADG-9177 (SD-3 :D1)
To NAPS-9150 (SD-8 : D1)
To NAPS-9151 (SD-8 : E2)

SCHEMATIC DIAGRAMS-7

HDMI SECTION

<Note>

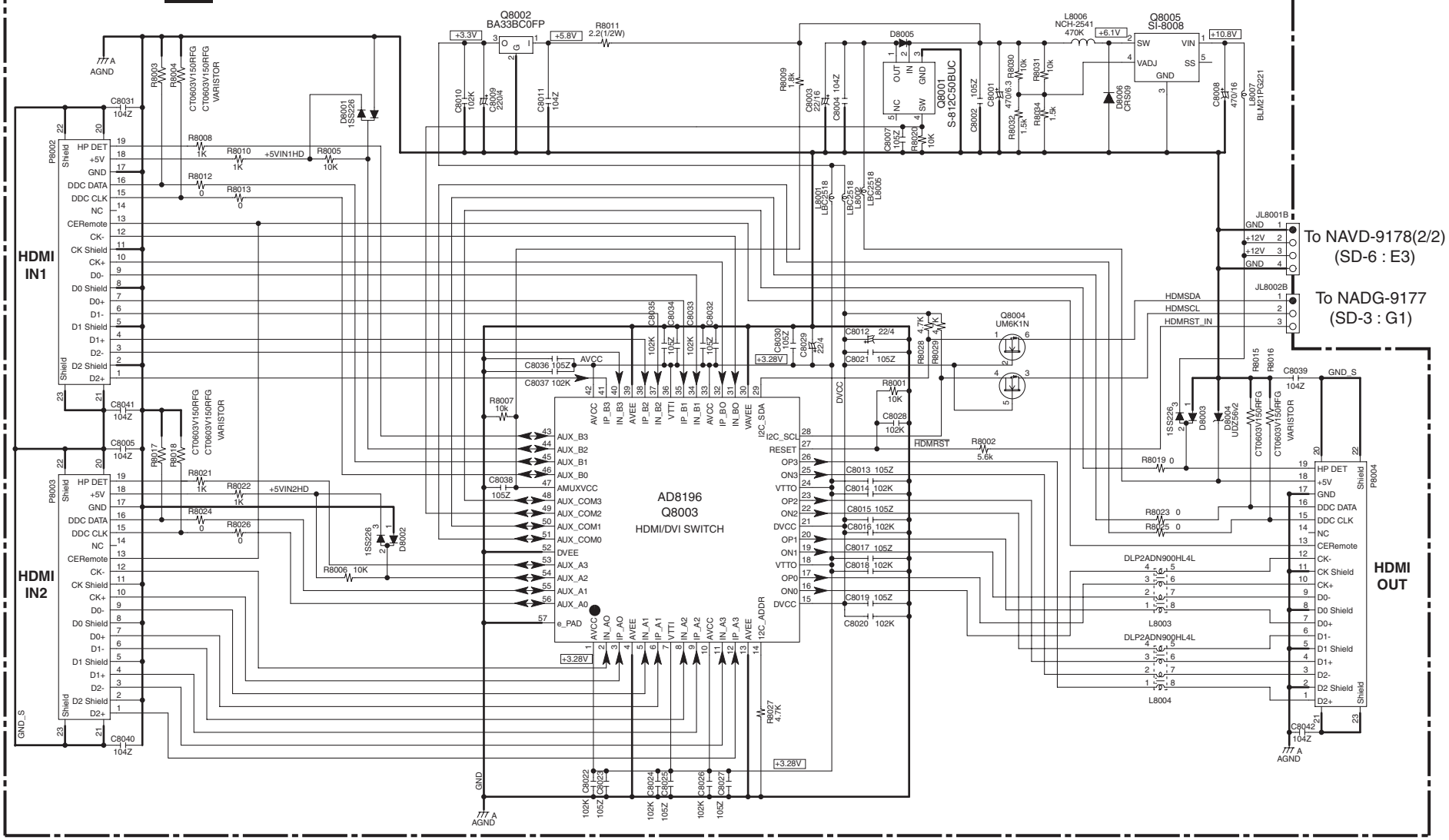
NC = No mount of parts.

SD-Z : XY

Location of connected terminal in schematic diagrams.

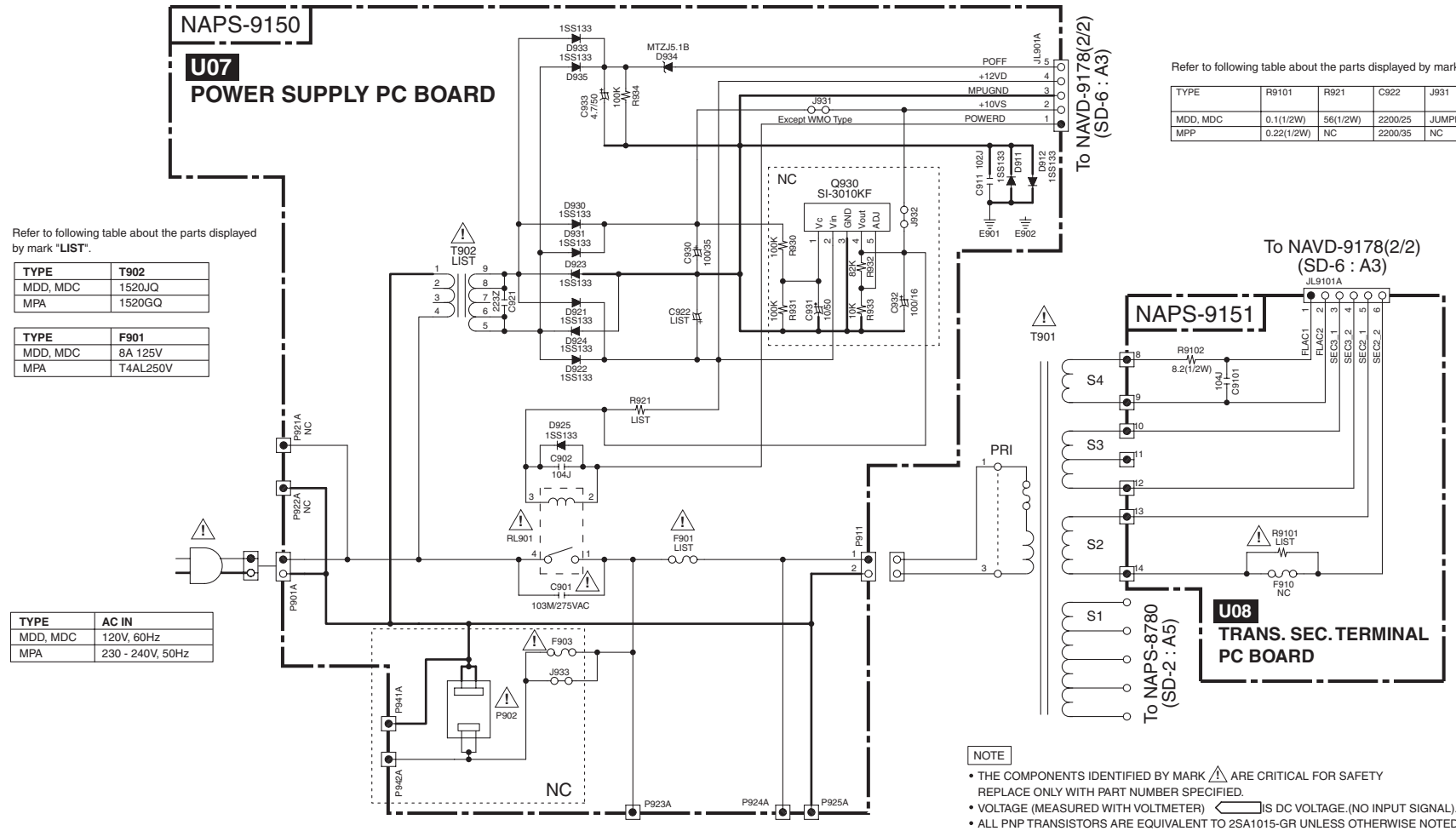
SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.

NAHDM-9199 **U14 HDMI PC BOARD**



SCHEMATIC DIAGRAMS-8

POWER SUPPLY SECTION



Refer to following table about the parts displayed by mark "**LIST**".

TYPE	T902
MDD, MDC	1520JQ
MPA	1520GQ

TYPE	F901
MDD, MDC	8A 125V
MPA	T4AL250V

TYPE	AC IN
MDD, MDC	120V, 60Hz
MPA	230 - 240V, 50Hz

Refer to following table about the parts displayed by mark "**LIST**".

TYPE	R9101	R921	C922	J931
MDD, MDC	0.1(1/2W)	56(1/2W)	2200/25	JUMPER WIRE
MPP	0.22(1/2W)	NC	2200/35	NC

CAUTION

FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH FUSE OF SAME TYPE AND RATING INDICATED.

THIS SYMBOL LOCATED NEAR THE FUSE INDICATES THAT THE FUSE USED IS SLOW OPERATING TYPE FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,REPLACE WITH SAME TYPE FUSE. FOR FUSE RATING REFER TO THE MARKING ADJACENT TO THE SYMBOL.

ATTENTION

AFIN D'ASSURER UNE PROTECTION PERMANENTE CONTRE LES RISQUES D'INCENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE ET CALIBRATION COMME INDIQUE.

CE SYMBOLE INDIQUE QUE LE FUSIBLE UTLISE EST E LENT.POUR UNE PROTECTION PERMANENTE,N'UTILISER QUE DES FUSIBLES DE MEME TYPE. CE DARNIER EST INDIQUE LA QU LE PRESENT SYMBOL EST APPOSE.

NOTE

- THE COMPONENTS IDENTIFIED BY MARK ⚠ ARE CRITICAL FOR SAFETY REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER) ⟸ IS DC VOLTAGE.(NO INPUT SIGNAL).
- ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE NOTED.
- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (⊣⊢) ARE IN uF/WV.
- ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED.
  EX) 030- 3pF 330- 33pF 331- 330pF 333- 0.033uF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
  EX) ⊙⊙⊙ PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

<Note>

NC = No mount of parts.

SD-Z : XY

Location of connected terminal in schematic diagrams.
SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.

SCHEMATIC DIAGRAMS-9

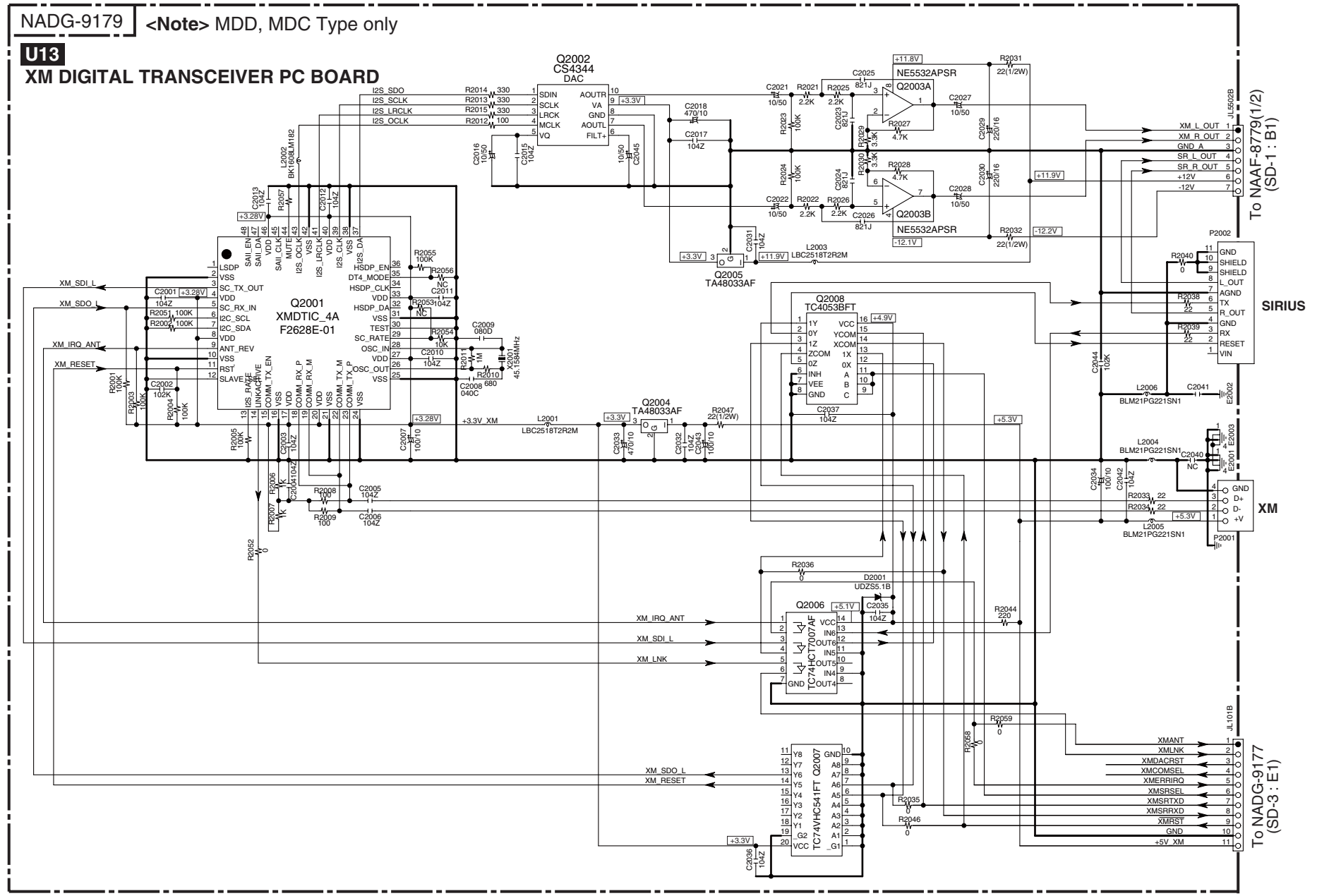
XM DIGITAL TRANSCEIVER SECTION

<Note>
NC = No mount of parts.
SD-Z : XY
Location of connected terminal in schematic diagrams.
SD-Z = Schematic diagrams-Z. X = A to H, Y = 1 to 5.

NADG-9179 **<Note>** MDD, MDC Type only

U13

XM DIGITAL TRANSCEIVER PC BOARD



SCHEMATIC DIAGRAMS-10

DIGITAL AUDIO WAVE FORM SECTION

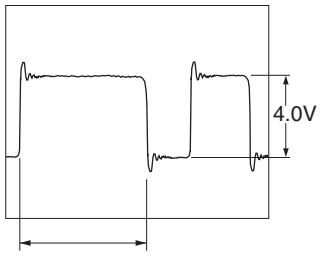
<Note>

1. (WF01) is short for (Wave form 01).
2. [TP01] is test point number on PC board.
3. Refer to SD-3 (SCHEMATIC DIAGRAM-3) for details.

LR CLOCK (SAI_LRCK, CX_LRCK)
Fs = 48kHz : DVD, Clock width = 20.8us
Fs = 44.1kHz : CD, Clock width = 22.7us

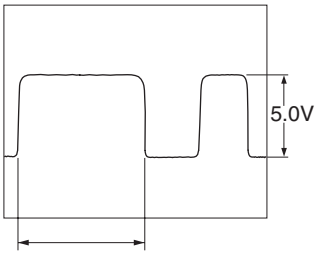
BIT CLOCK (SAI_SLCK, CX_SLCK)
64Fs = 3072kHz : DVD, Clock width = 325ns
64Fs = 2822.4kHz : CD, Clock width = 354ns

WF01 OPT1



Duty varies according to audio data

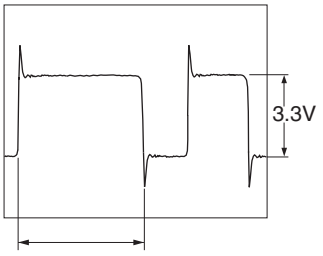
WF02 COAX1



Duty always varies according to audio data

WF03 SAI_SDOUT

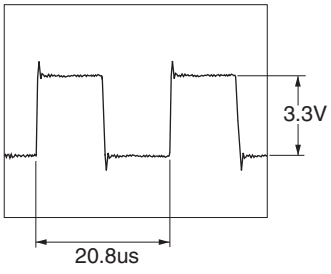
[TP03]



Duty varies according to audio data

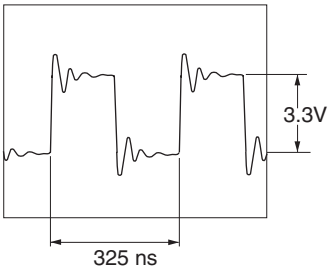
WF04 SAI_LRCK

[TP02]



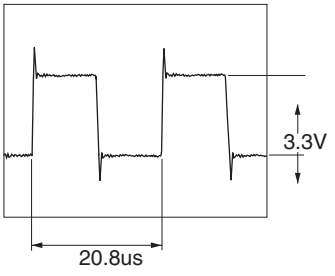
WF05 SAI_SLCK

[TP01]



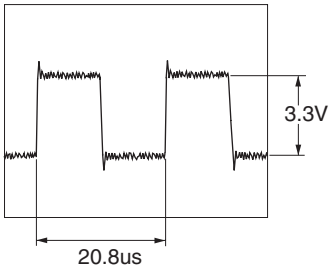
WF06 CX_SDIN1

[TP06]



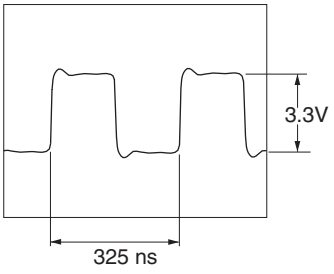
WF07 CX_LRCK

[TP05]

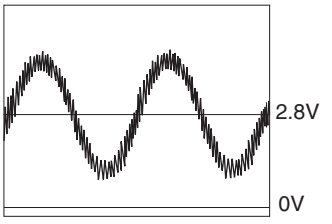


WF08 CX_SCLK

[TP04]



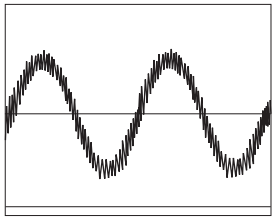
WF09 DAC_OUT-



Analog audio wave form with aliasing noise

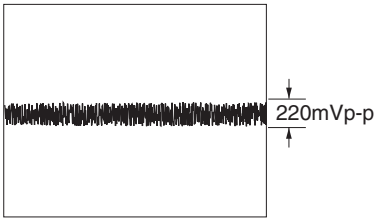
WF10 AUDIO_FL

[TP08] --- [TP15]



Analog audio wave form with aliasing noise

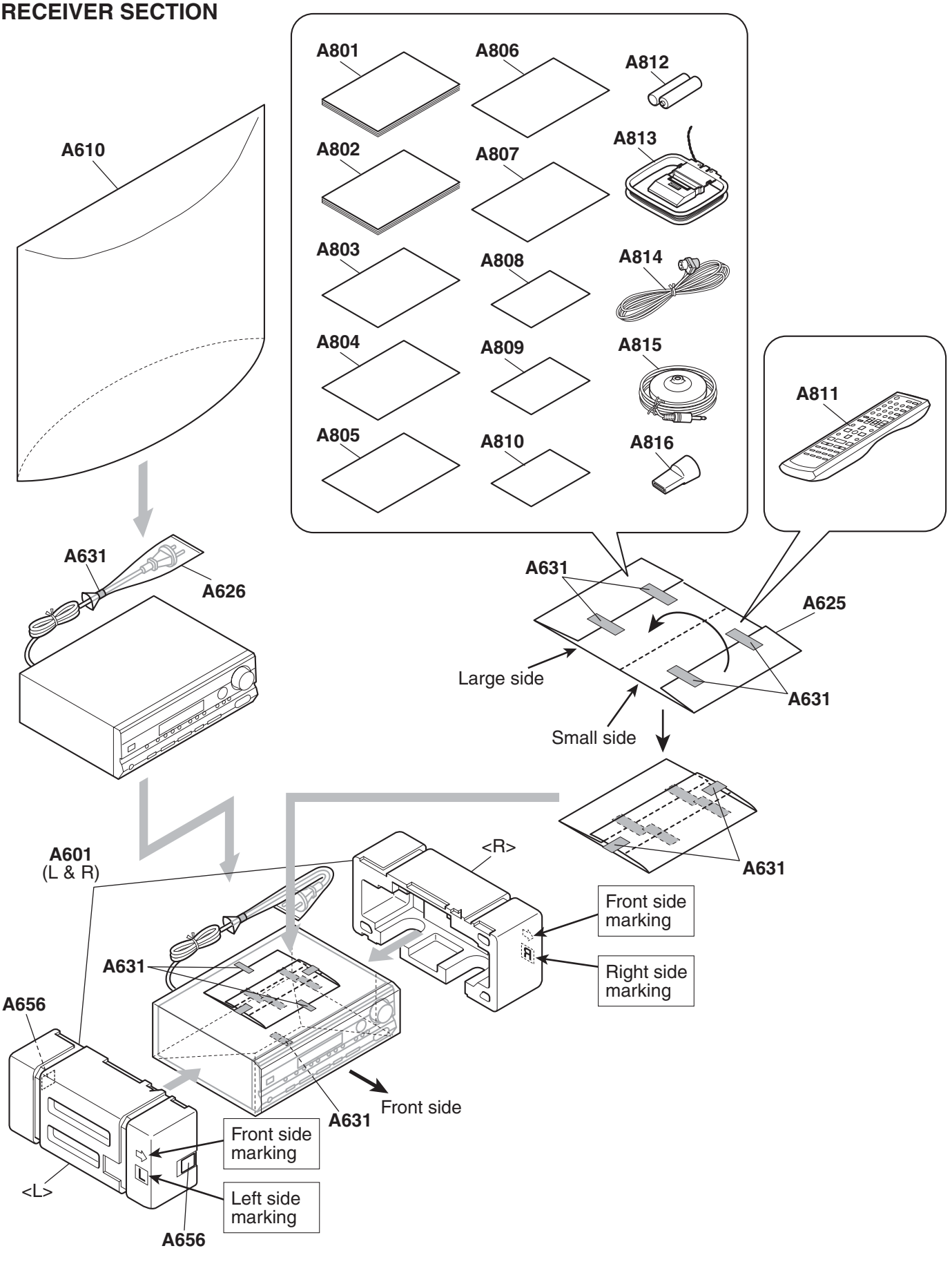
WF10 AUDIO_FL



Aliasing noise in no audio data

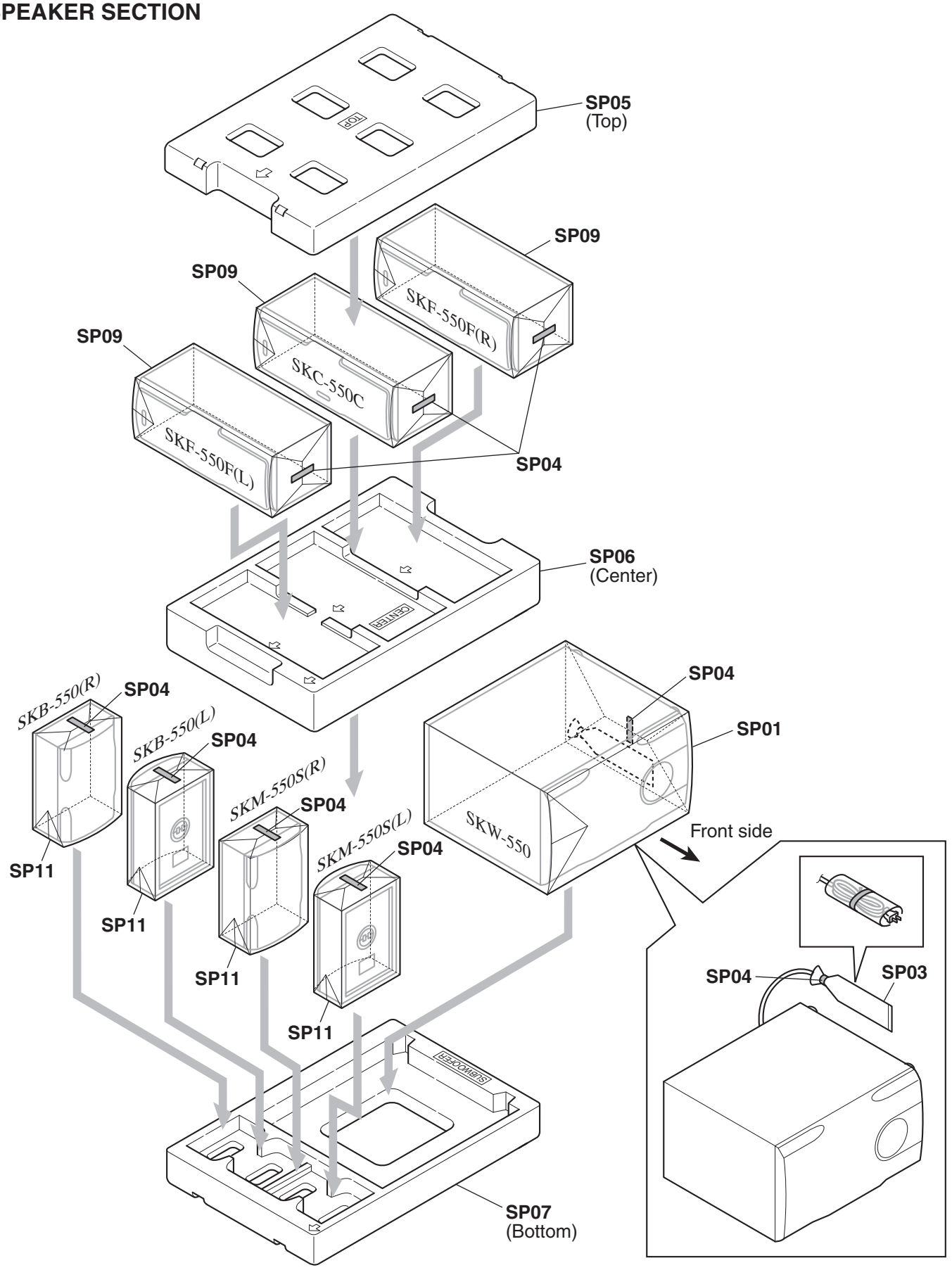
PACKING PROCEDURE-1

RECEIVER SECTION



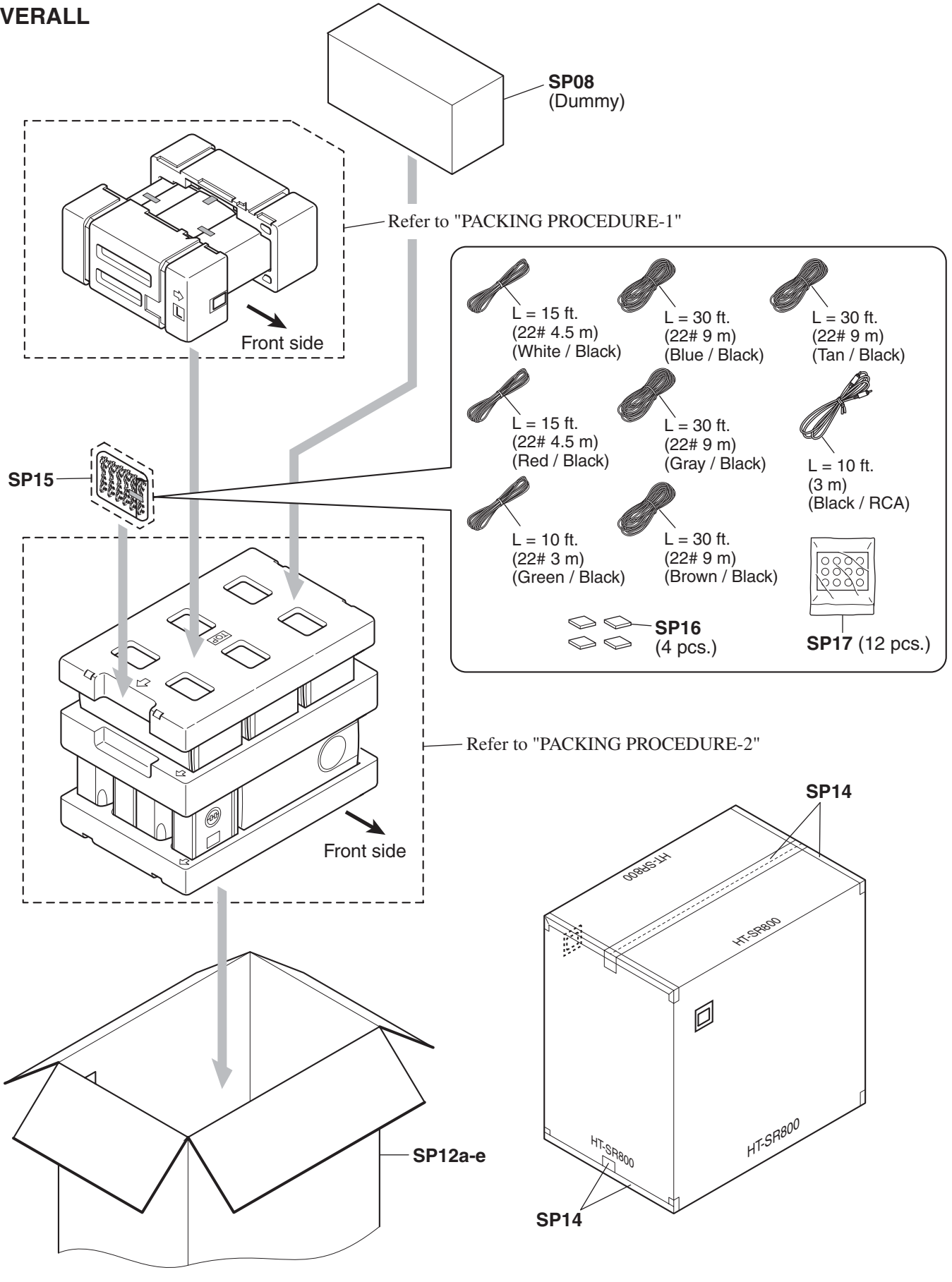
PACKING PROCEDURE-2

SPEAKER SECTION



PACKING PROCEDURE-3

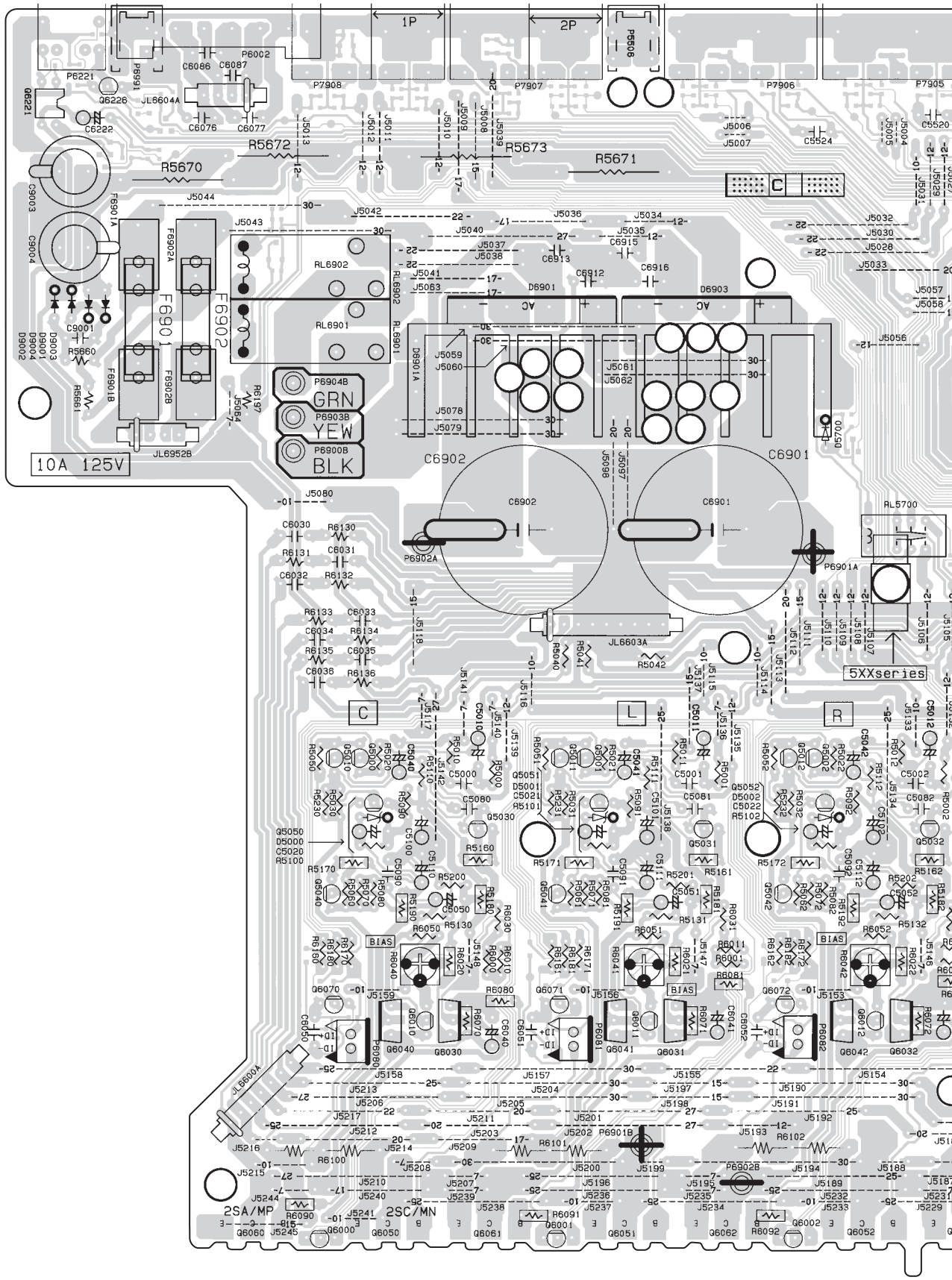
OVERALL



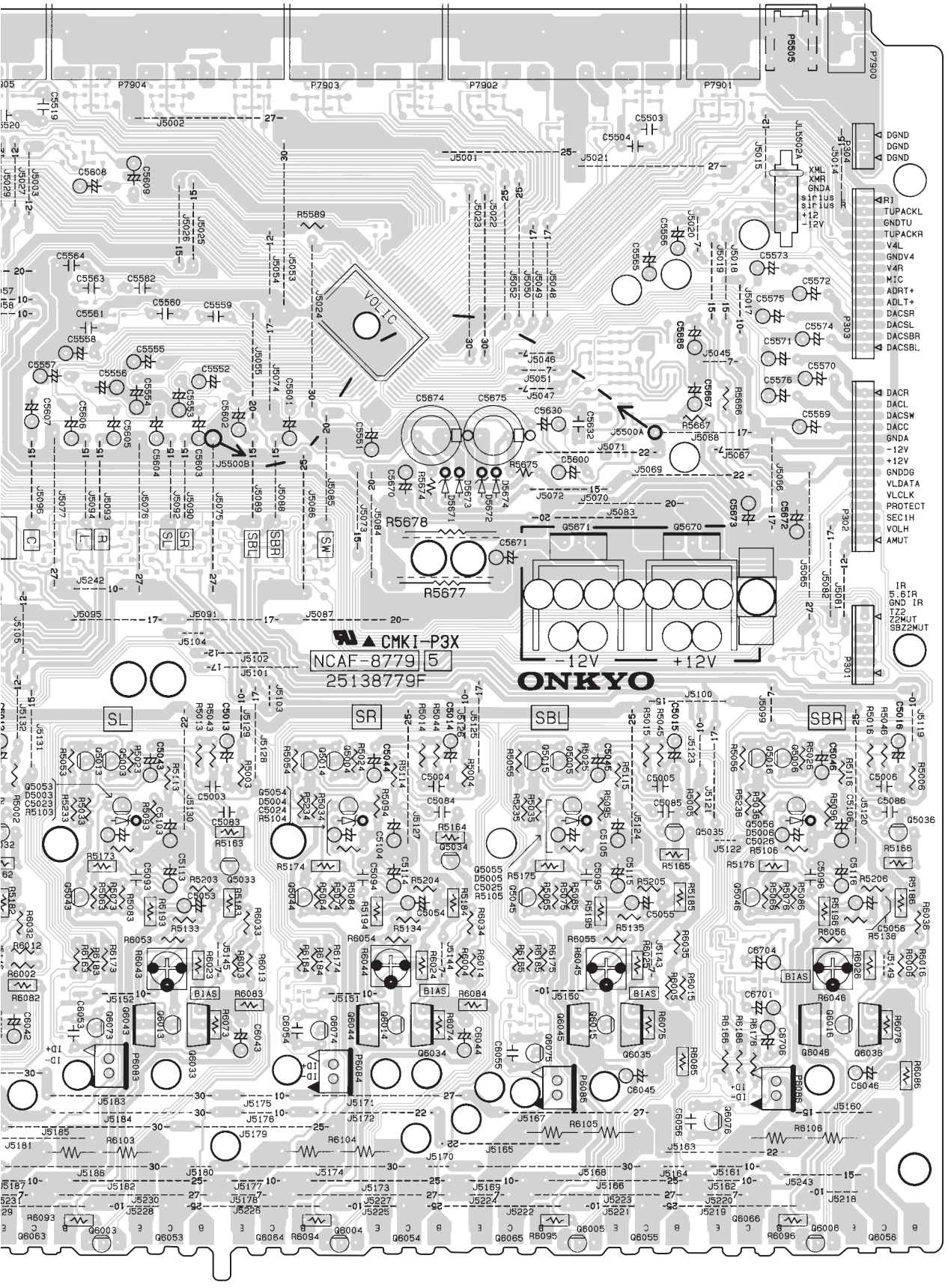
PRINTED CIRCUIT BOARD VIEWS-1

U01 AMPLIFIER PC BOARD (NAAF-8779)

Component side



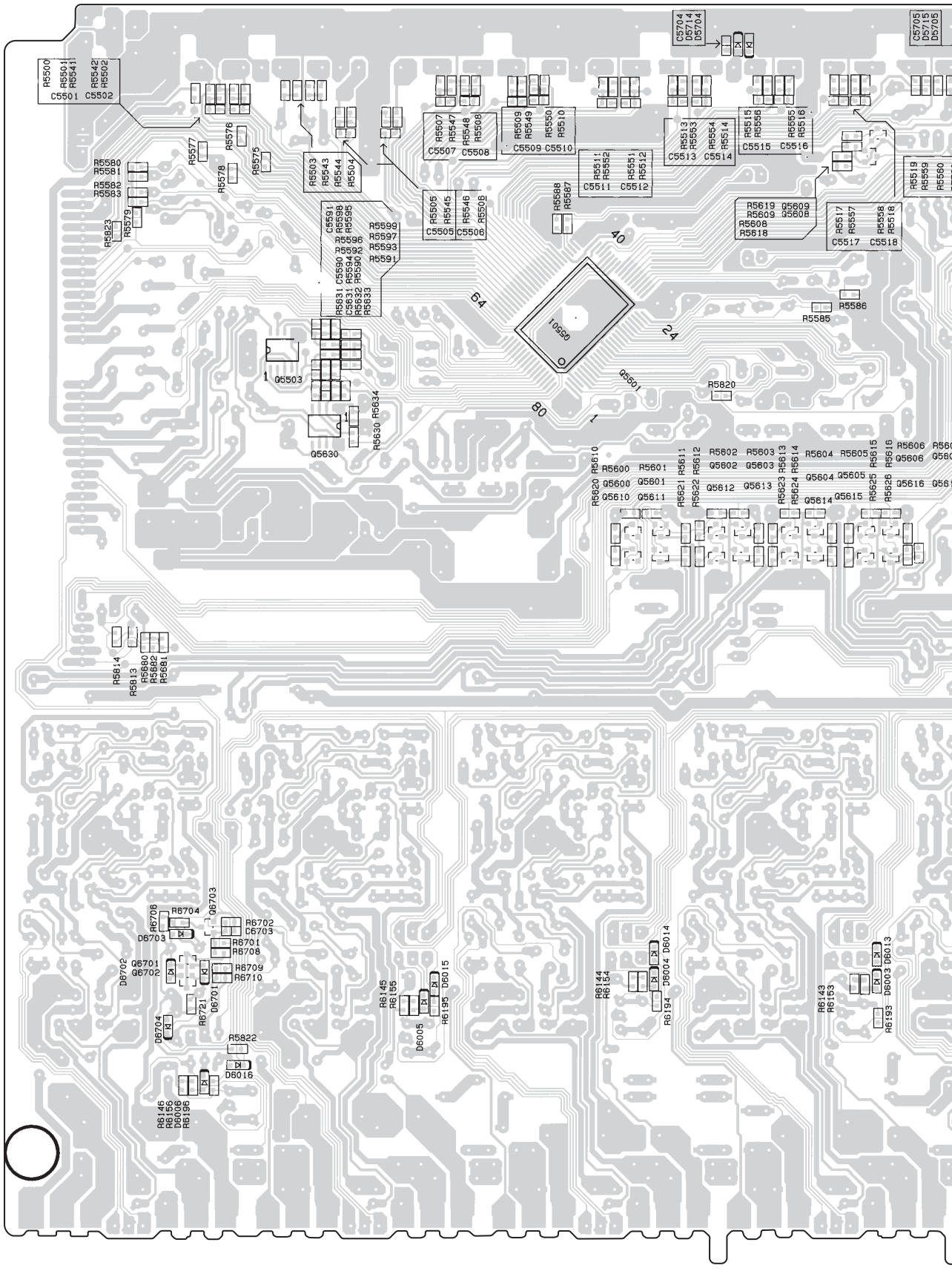
E F G H


P7904
P7903
P7902
P7901
P5505
P7600
P303
P302
P301
DGND
DGND
DGND
RI
TUPACKL
GNDTU
TUPACKR
V4L
GNDV4
V4R
MIC
ADRT+
ADLT+
DACSR
DACSL
DACSBR
DACSBL
DACR
DACL
DACSW
DACC
GNDA
-12V
+12V
GNDDG
VLDATA
VLCLK
PROTECT
SEC1H
VOLH
AMUT
IR
5.6IR
GND IR
TZ2
Z2MUT
SBZ2MUT
XML
XMR
GNDA
sirius
sirius
+12
+12V
VOL IC
R5589
R5678
R5677
C5671
CMKI-P3X
NCAF-8779 5
25138779F
ONKYO
-12V
+12V
SL
SR
SBL
SBR
BIAS

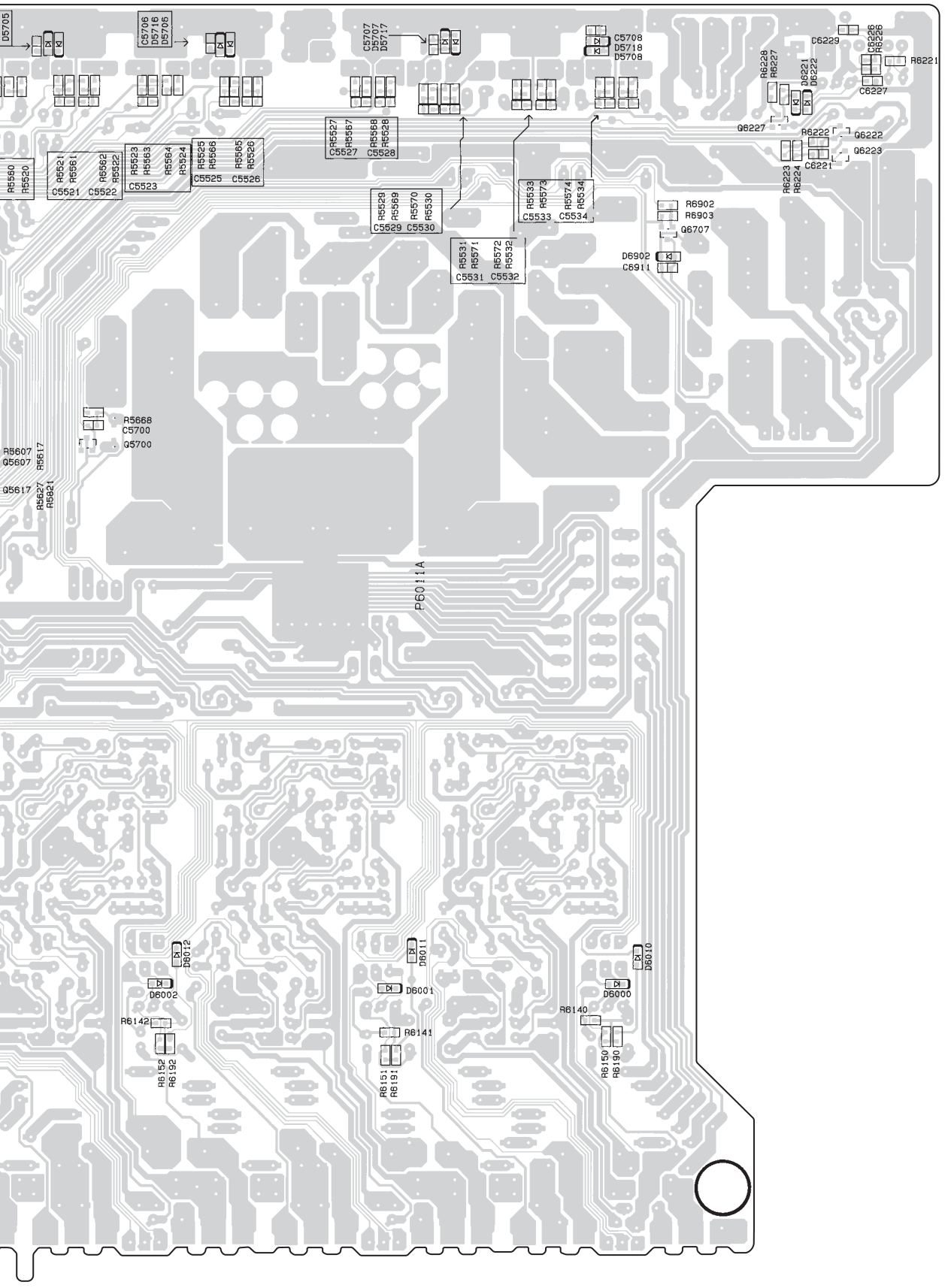
PRINTED CIRCUIT BOARD VIEWS-2

U01 AMPLIFIER PC BOARD (NAAF-8779)

Soldering side



E F G H


D5705
C5706
D5716
D5706
C5707
D5707
D5717
C5708
D5718
D5708
C6229
C6226
R6226
R6221
C6227
R6228
R6227
D6221
D6222
Q6227
R6222
Q6222
Q6223
C6221
R6223
R6224
R5560
R5620
R5521
R5561
R5562
R5522
C5521
C5522
R5523
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R5564
R5524
C5523
R5525
R5566
R5565
R5526
C5525
C5526
R5527
R5567
R5568
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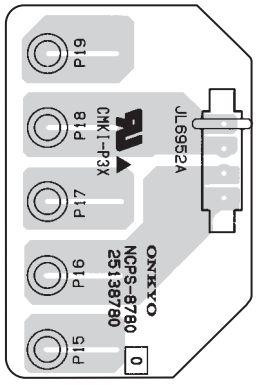
C5527
C5528
R5529
R5569
R5570
R5530
C5529
C5530
R5533
R5573
R5574
R5534
C5533
C5534
R6902
R6903
Q6707
D6902
C6911
R5531
R5571
R5572
R5532
C5531
C5532
R5668
C5700
Q5700
R5607
Q5607
R5617
Q5617
R5627
R5621
P6011A
D6012
D6002
R6142
R6152
R6192
D6011
D6001
R6141
R6151
R6191
D6010
D6000
R6140
R6150
R6190

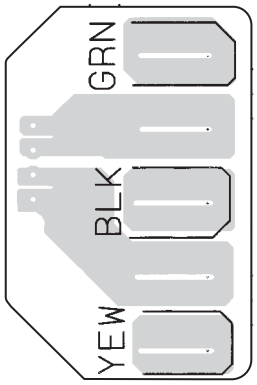
PRINTED CIRCUIT BOARD VIEWS-3

U02 TRANS. SEC. TERMINAL PC BOARD (NAPS-8780)

Component side

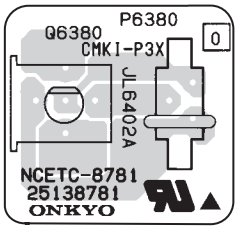


Soldering side



U03 THERMAL SENSOR PC BOARD (NAETC-8781)

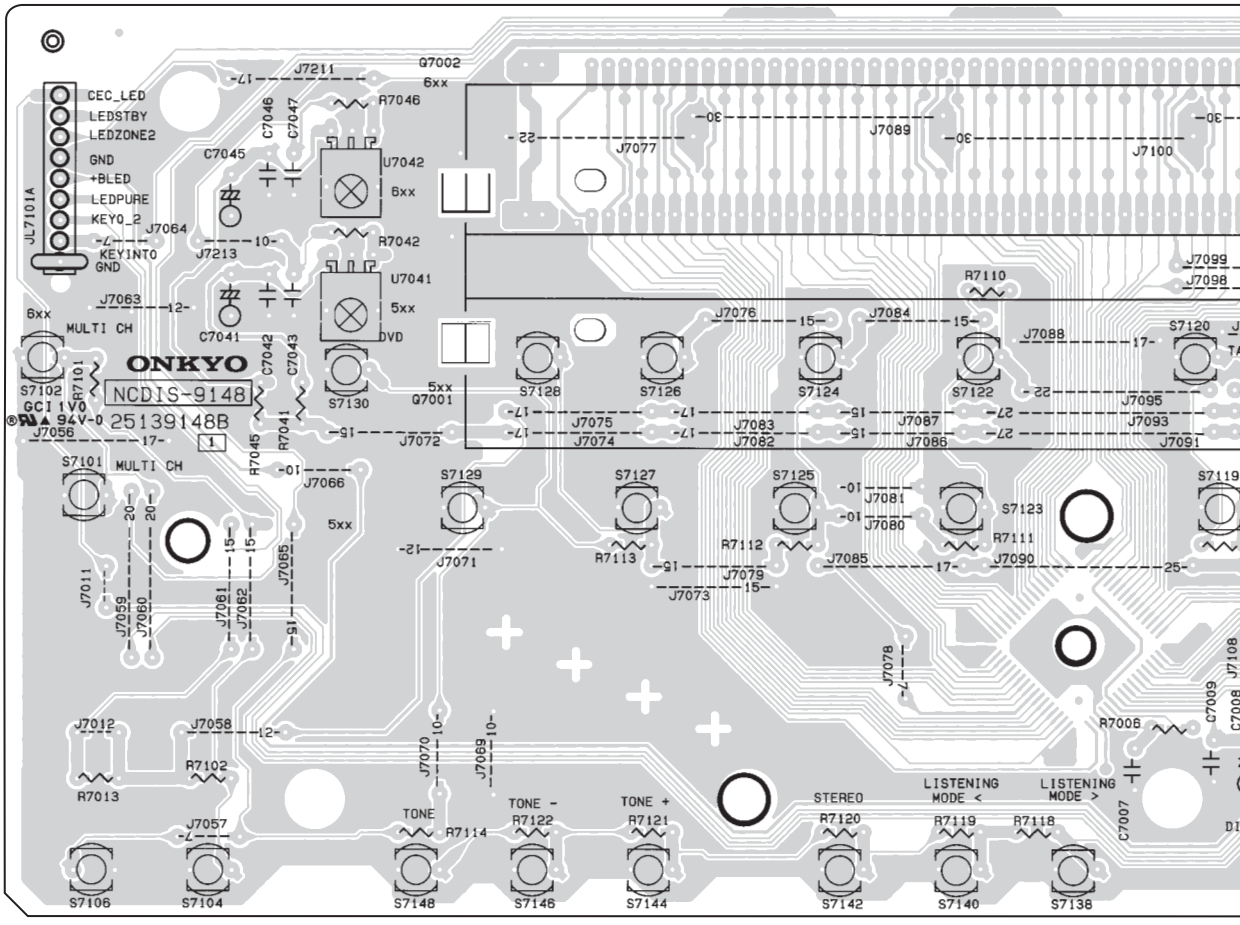
Component side



PRINTED CIRCUIT BOARD VIEWS-4

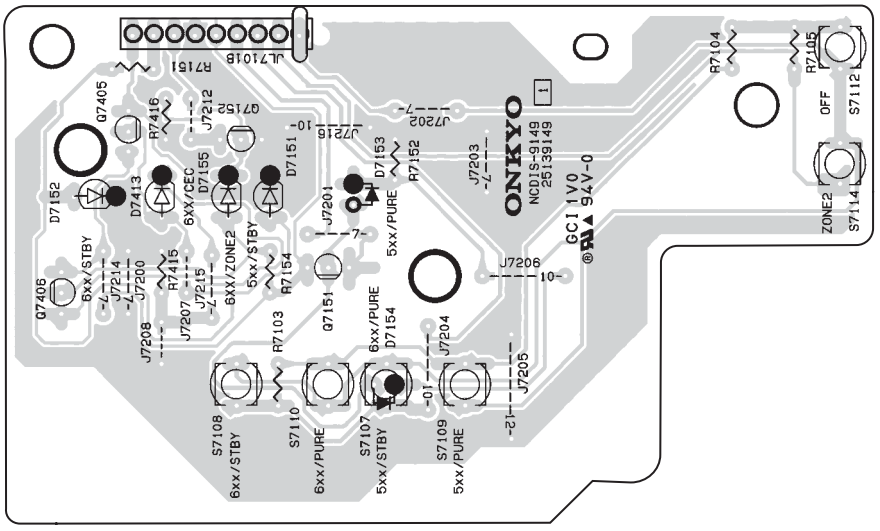
U05 DISPLAY PC BOARD (NADIS-9148)

Component side

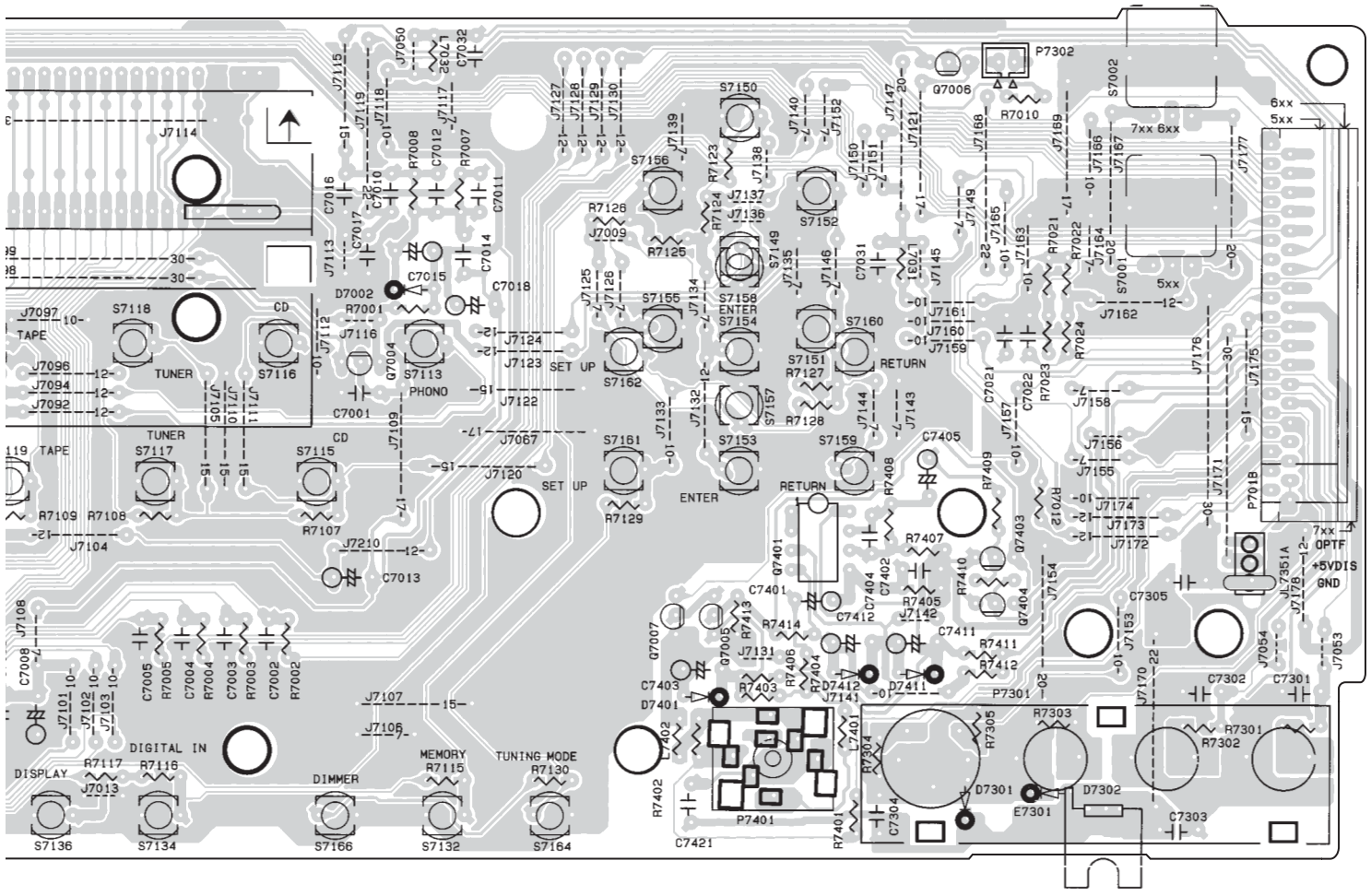


U06 SWITCH PC BOARD (NADIS-9149)

Component side



E F G H


P7302
Q7006
R7010
S7002
6xx
5xx
7xx 6xx
J7114
S7118
CD
TAPE
TUNER
S7116
PHONO
S7113
D7002
C7015
R7001
C7001
S7150
S7156
S7155
S7162
S7161
S7152
S7160
S7151
S7157
S7153
S7159
RETURN
ENTER
SET UP
S7117
S7115
R7107
R7108
R7109
J7104
J7210
C7013
C7405
R7408
R7409
R7407
Q7401
C7401
C7412
R7414
R7413
R7406
R7404
R7403
D7412
D7411
J7131
J7141
J7142
C7411
R7411
R7412
P7301
C7305
C7302
C7301
R7303
R7305
R7301
R7302
D7301
D7302
E7301
C7303
C7304
R7304
C7402
R7402
P7401
C7421
D7401
C7403
C7404
R7405
Q7403
Q7404
J7154
J7153
J7170
J7054
J7053
J7108
J7101
J7102
J7103
C7005
R7005
C7004
R7004
C7003
R7003
C7002
R7002
J7107
J7106
DIGITAL IN
DISPLAY
R7117
R7116
J7013
DIMMER
MEMORY
R7115
TUNING MODE
R7130
S7136
S7134
S7166
S7132
S7164
J7097
J7096
J7094
J7092
J7112
J7116
J7109
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J7176
J7175
J7158
J7156
J7155
J7171
J7174
J7173
J7172
P7018
7xx OPTF
+5VDIS
GND
JL7351A
J7178
J7145
J7144
J7143
J7157
J7161
J7160
J7159
C7031
L7031
C7021
C7022
R7023
R7024
R7021
R7022
S7001
5xx
C7016
C7017
C7010
C7012
R7008
R7007
C7011
C7014
C7018
L7032
C7032
J7050
J7115
J7119
J7118
J7117
R7009
R7126
R7125
R7123
R7124
S7149
S7154
S7158
ENTER
S7157
R7128
R7127
R7129
J7105
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J7137
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J7140
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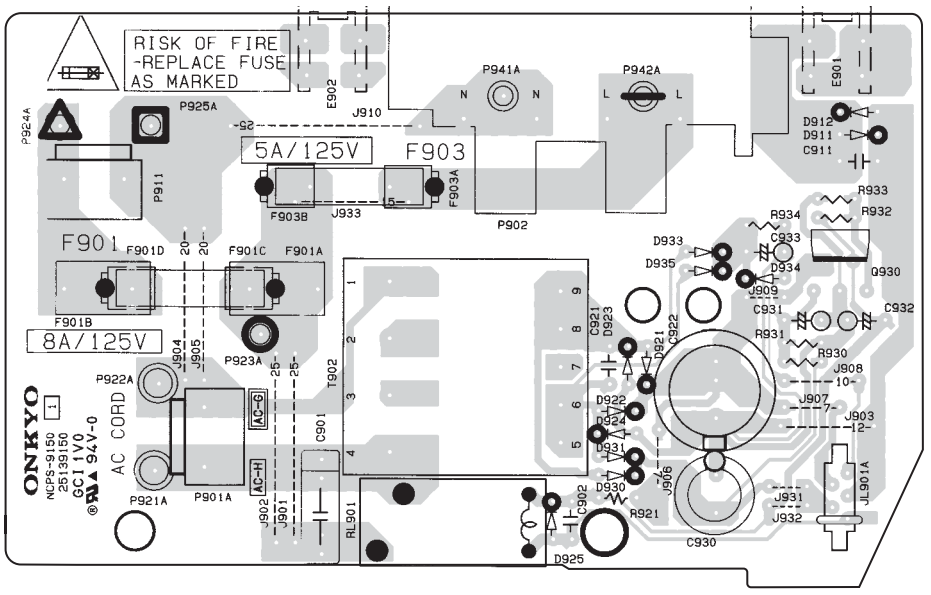
J7150
J7151

PRINTED CIRCUIT BOARD VIEWS-5

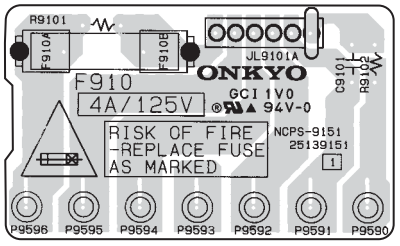
U07 POWER SUPPLY PC BOARD (NAPS-9150)

Component side



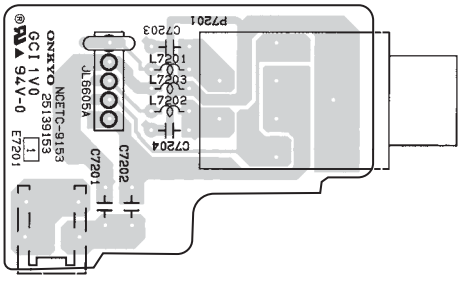
U08 TRANS. SEC. TERMINAL PC BOARD (NAPS-9151)

Component side



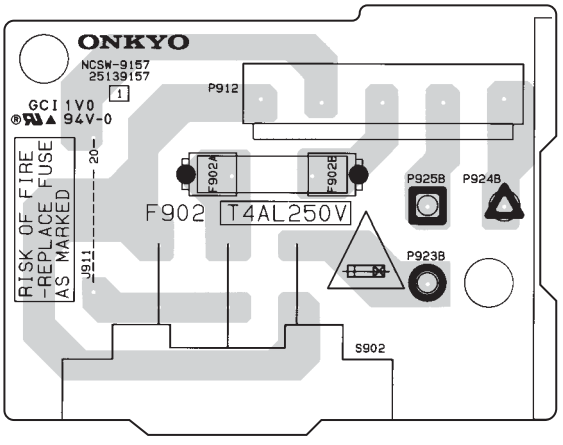
U09 HEADPHONE JACK PC BOARD (NAETC-9153)

Component side



U10 SWITCH PC BOARD (NASW-9157)

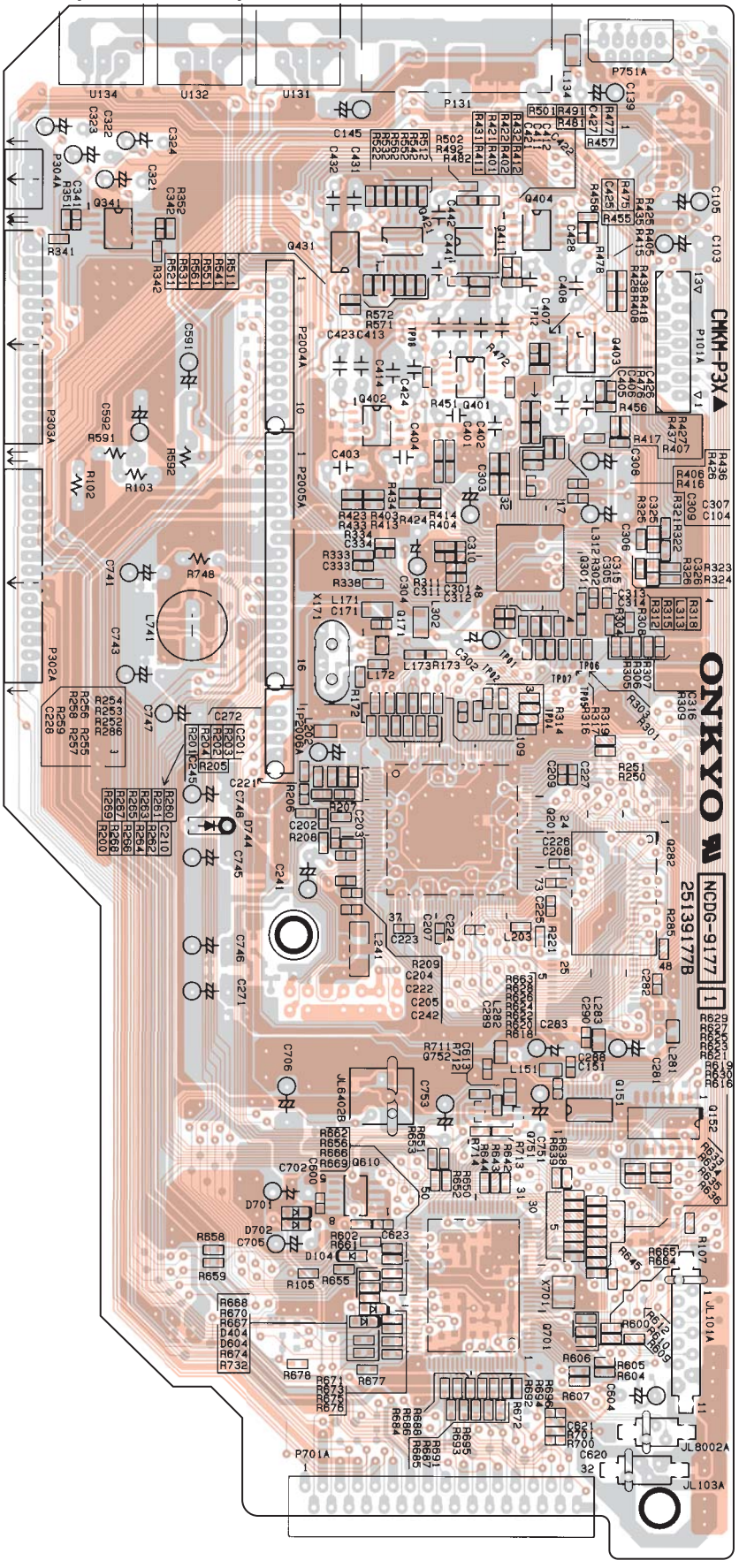
Component side



PRINTED CIRCUIT BOARD VIEWS-6

U12 DSP PC BOARD (NADG-9177)

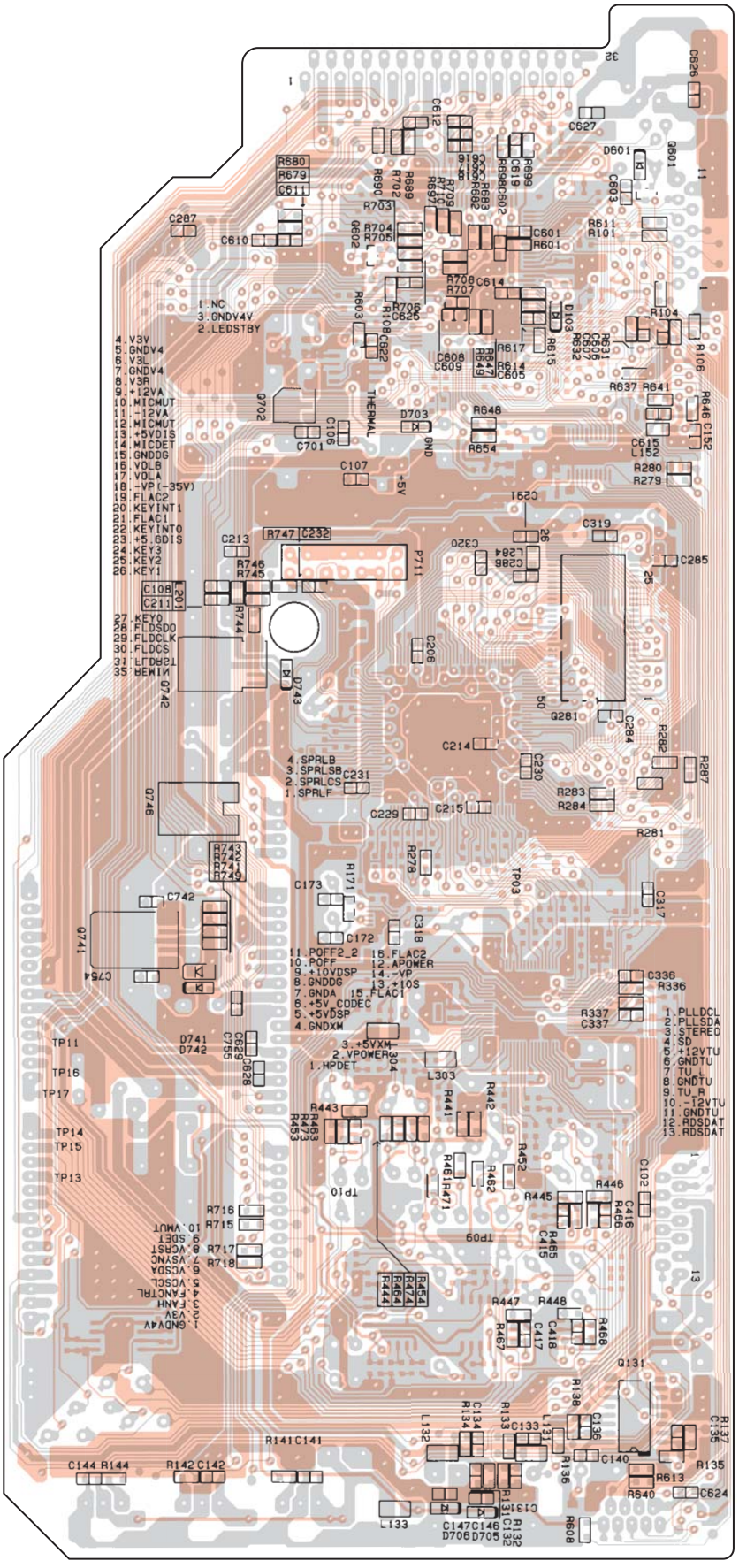
Side-A



PRINTED CIRCUIT BOARD VIEWS-7

U12 DSP PC BOARD (NADG-9177)

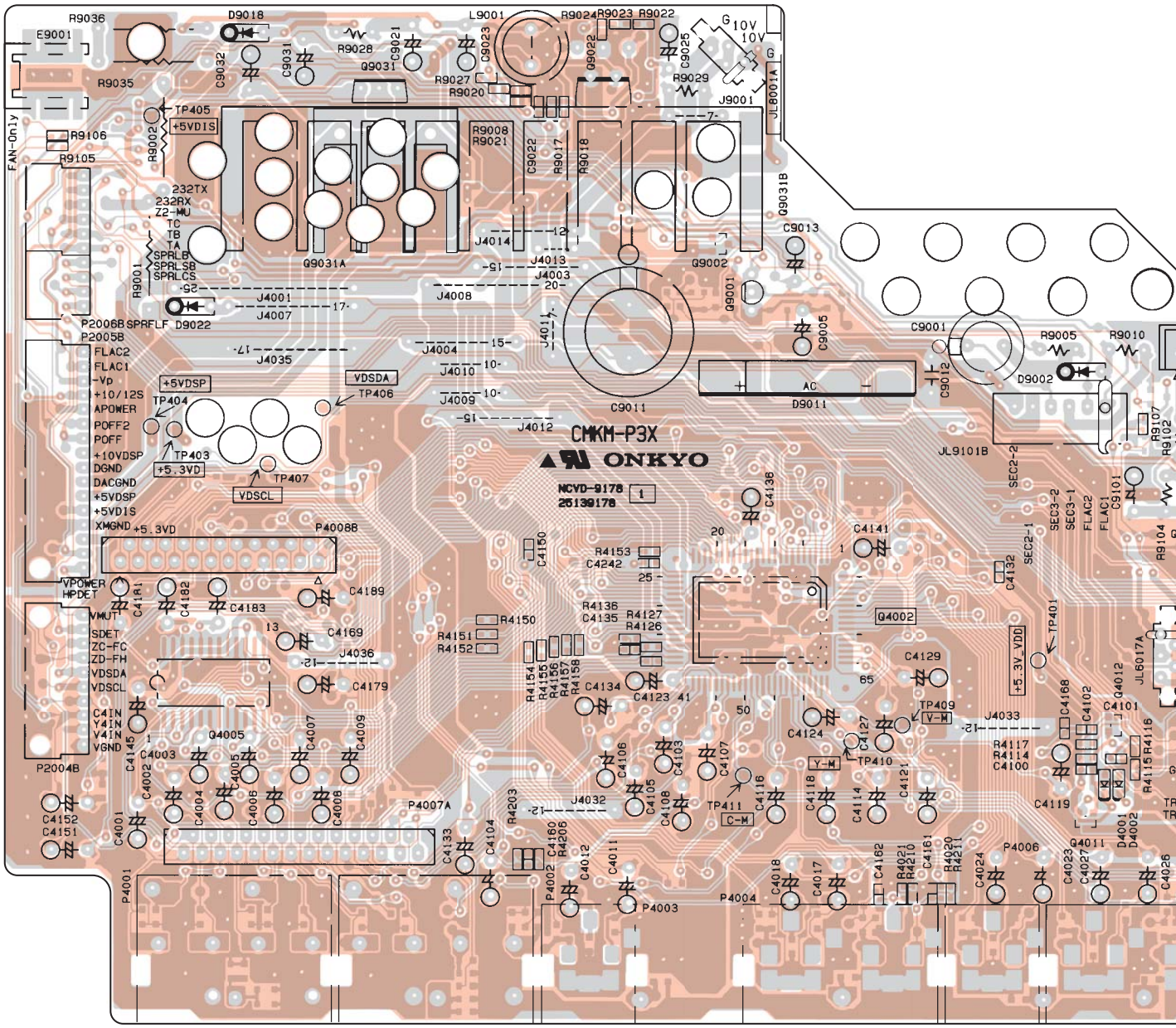
Side-B



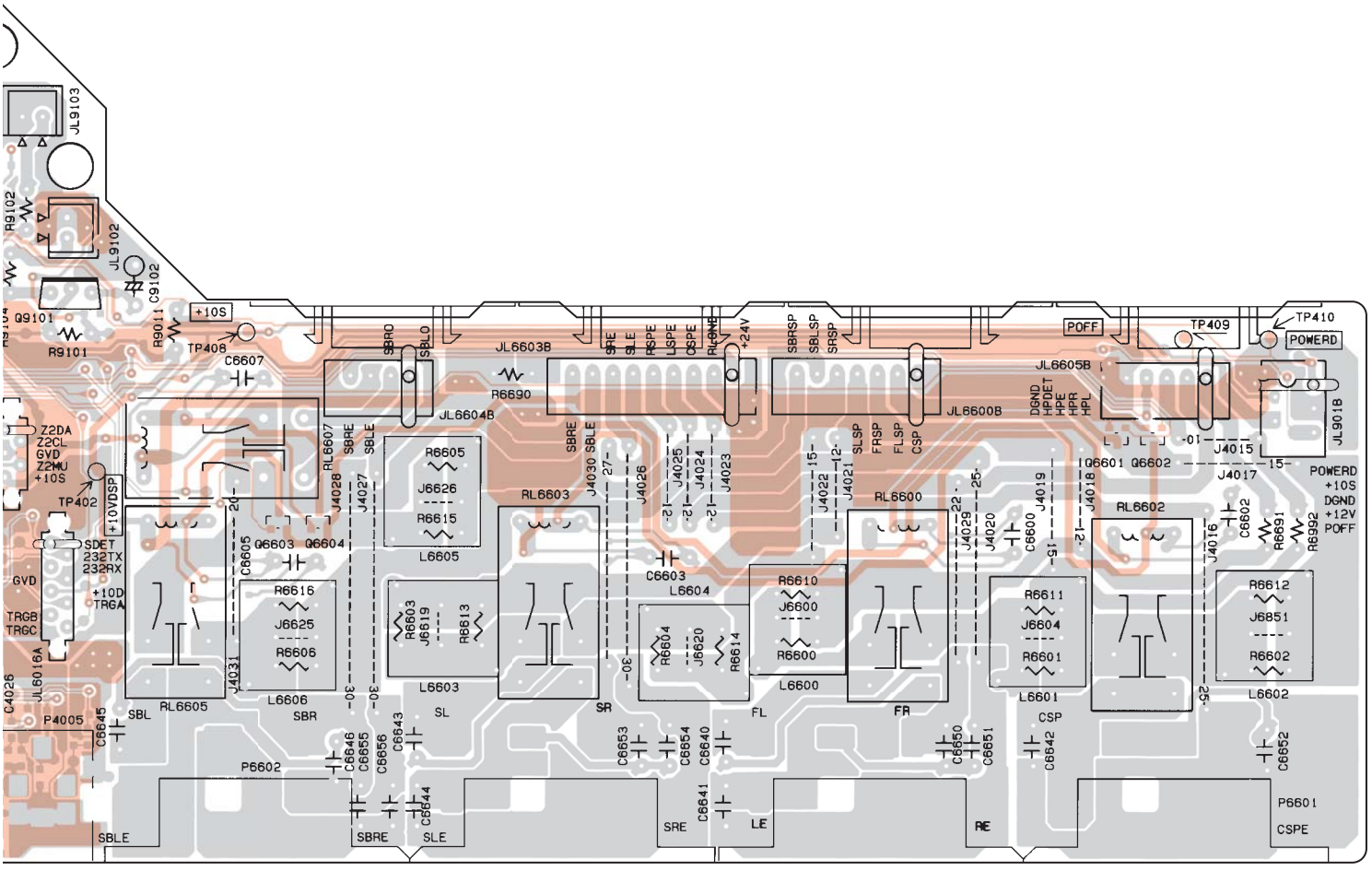
PRINTED CIRCUIT BOARD VIEWS-8

U13 VIDEO & SPEAKER TERMINAL PC BOARD (NAVD-9178)

Side-A



E F G H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C9102
R9102
Q9101
R9101
R9011
+10S
TP408
C6607
SBRO
SBLO
JL6604B
JL6603B
R6690
SRE
SLE
RSPE
LSPE
CSPE
RLONE
+24V
SBRSP
SBLSP
SRSP
JL6600B
POFF
TP409
TP410
POWERD
JL6605B
DGND
HPDET
HPE
HPR
HPL
JL9018
J4015
Q6601 Q6602
J4017
POWERD
+10S
DGND
+12V
POFF
Z2DA
Z2CL
GVD
Z2MU
+10S
TP402
+10VDSP
SDET
232TX
232RX
+10D
TRGA
GVD
TRGB
TRGC
JL6016A
C4026
P4005
C6645
RL6607
SBRE
SBLE
J4028
J4027
J4031
C6605
Q6603 Q6604
R6605
J6626
R6615
L6605
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SBL
R6616
J6625
R6606
L6606
SBR
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C6646
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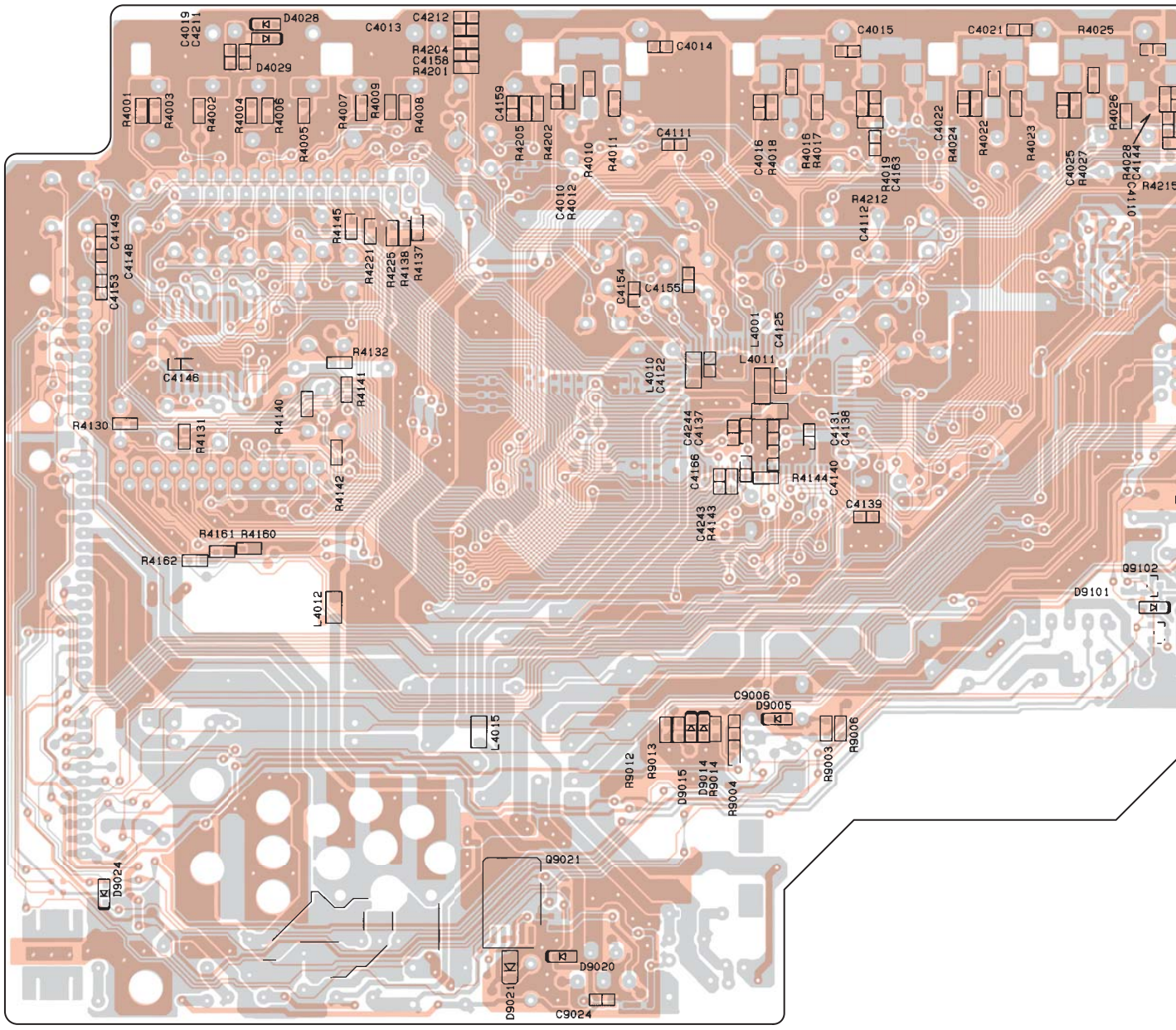
C6643
C6644
C6653
C6654
C6640
C6641
C6650
C6651
C6642
C6652
P6602
P6601
SBLE
SBRE
SLE
SRE
LE
RE
CSPE

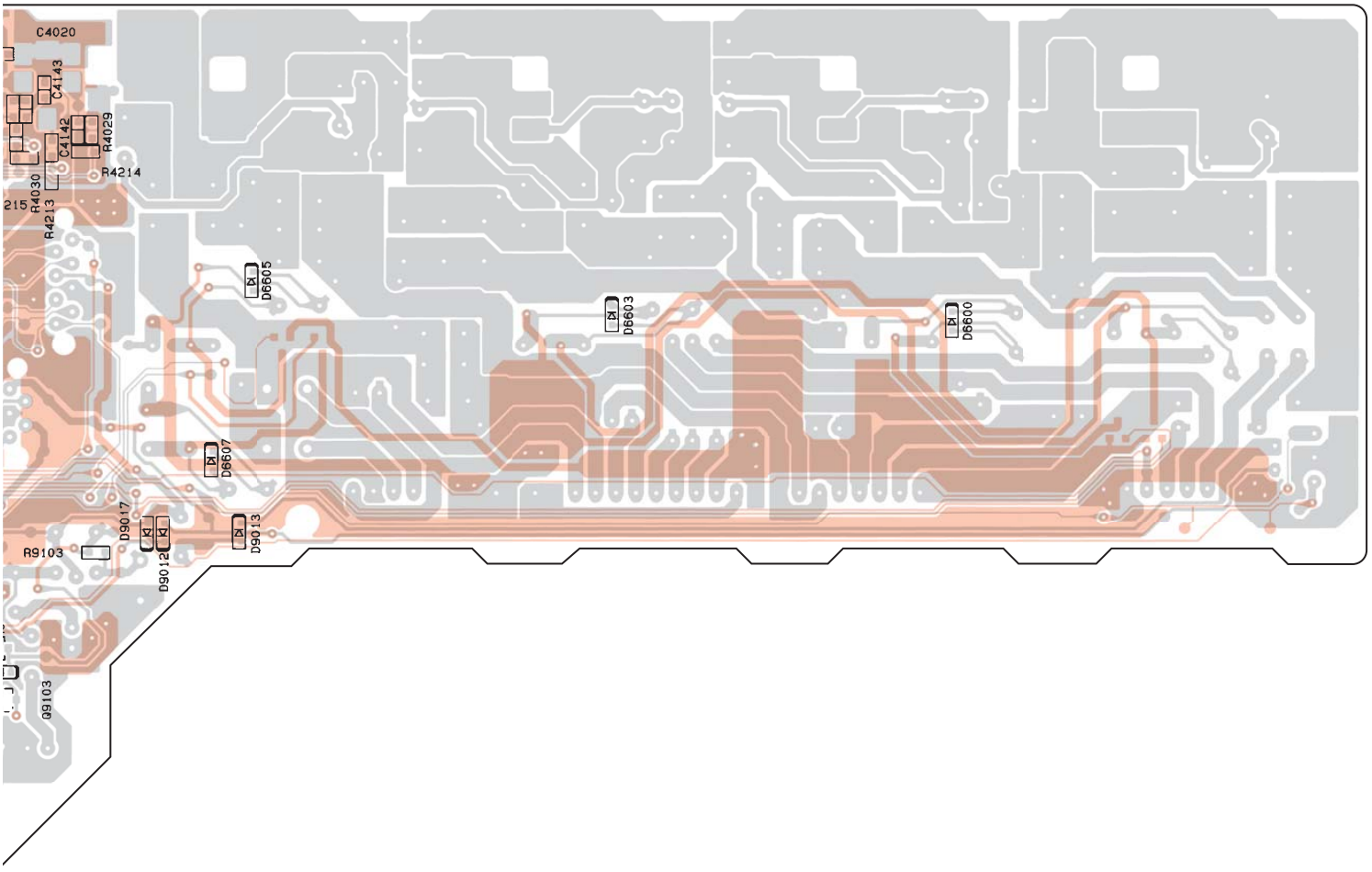
PRINTED CIRCUIT BOARD VIEWS-9

U13 VIDEO & SPEAKER TERMINAL PC BOARD (NAVD-9178)

Side-B



E F G H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R4214
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D6603
D6600
D6607
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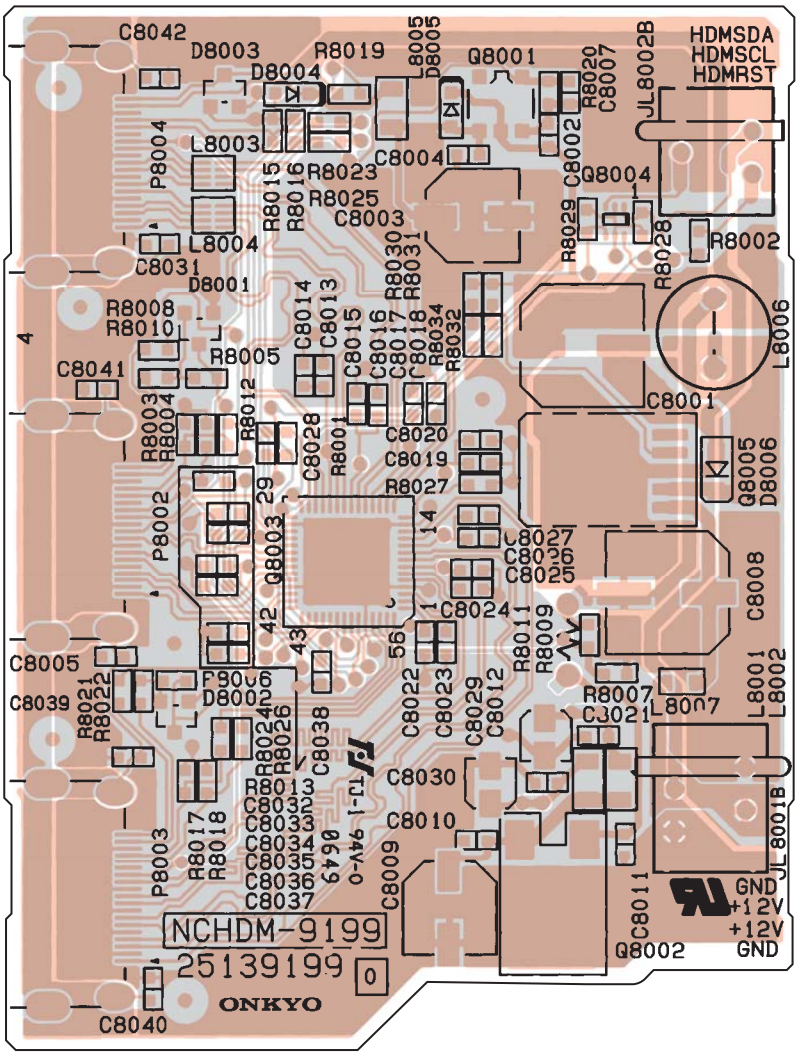
D9012
D9013
R9103
Q9103

PRINTED CIRCUIT BOARD VIEWS-10

U14 HDMI PC BOARD (NAHDM-9199)

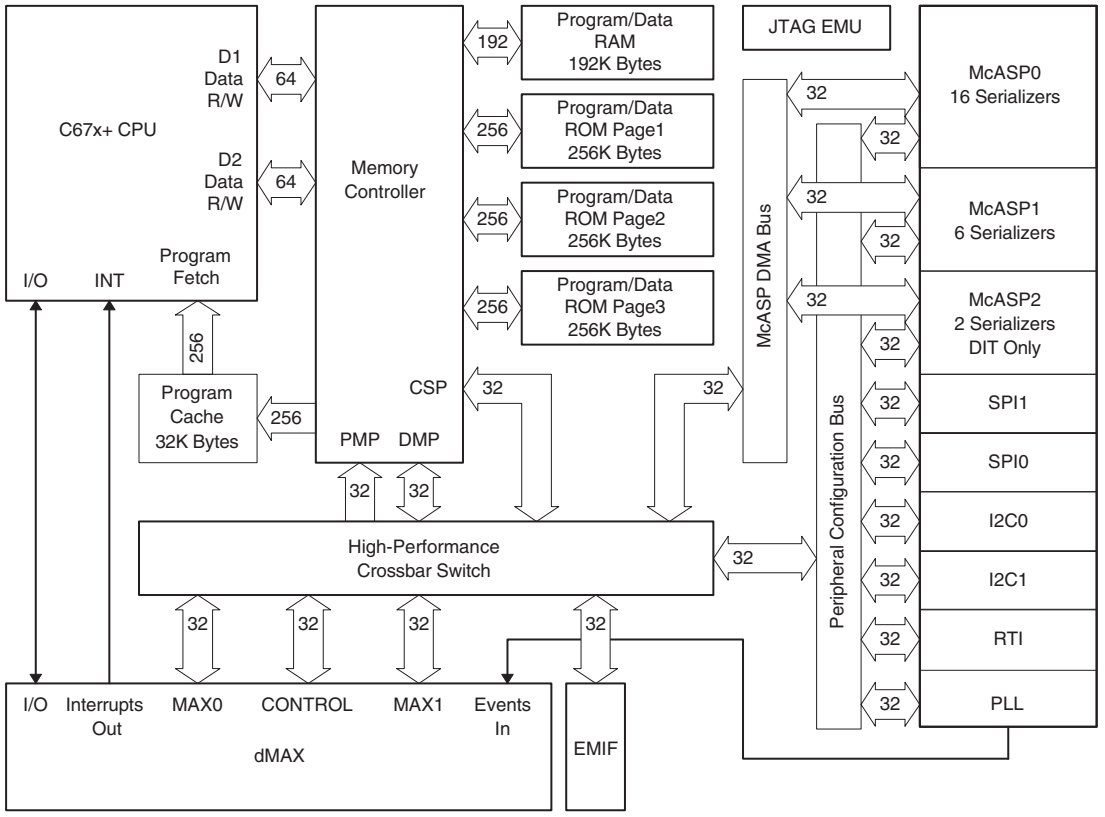
Side-A



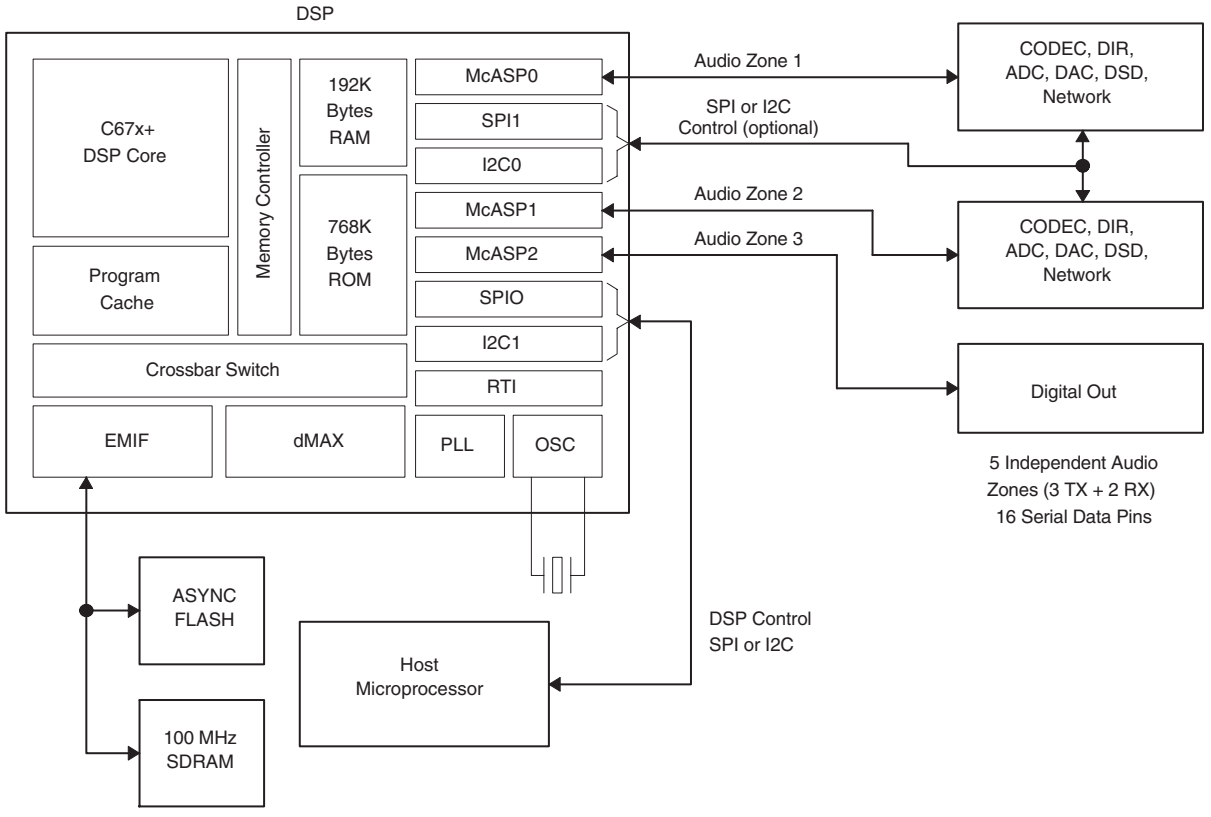
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-1

Q201 : D707E001RFP250 (32 bit Floating-Point Digital Signal Processor)-1/5

BLOCK DIAGRAM



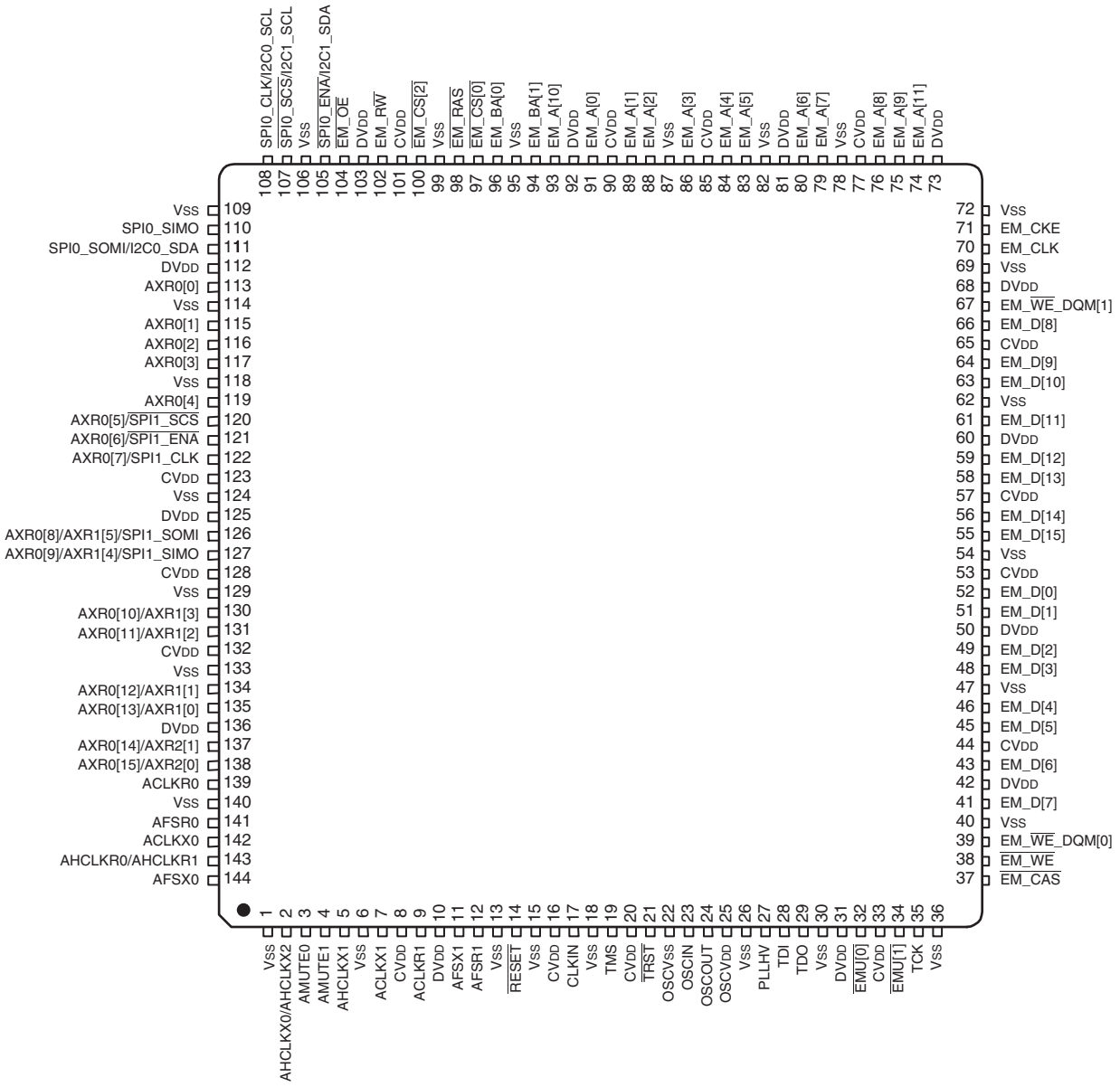
SYSTEM DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-2

Q201 : D707E001RFP250 (32 bit Floating-Point Digital Signal Processor)-2/5

PIN LAYOUT



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-3

Q201 : D707E001RFP250 (32 bit Floating-Point Digital Signal Processor)-3/5

TERMINAL DESCRIPTION

SIGNAL NAME	PIN NO.	TYPE	DESCRIPTION
External Memory Interface (EMIF) Addressand Control			
EM_A[0]	91	O	EMIF Address Bus
EM_A[1]	89	O	
EM_A[2]	88	O	
EM_A[3]	86	O	
EM_A[4]	84	O	
EM_A[5]	83	O	
EM_A[6]	80	O	
EM_A[7]	79	O	
EM_A[8]	76	O	
EM_A[9]	75	O	
EM_A[10]	93	O	
EM_A[11]	74	O	
EM_BA[0]	96	O	SDRAM Bank Address and Asynchronous Memory Low-Order Address
EM_BA[1]	94	O	
$\overline{\text{EM\_CS[0]}}$	97	O	SDRAM Chip Select
$\overline{\text{EM\_CS[2]}}$	100	O	Asynchronous Memory Chip Select
$\overline{\text{EM\_CAS}}$	37	O	SDRAM Column Address Strobe
$\overline{\text{EM\_RAS}}$	98	O	SDRAM Row Address Strobe
$\overline{\text{EM\_WE}}$	38	O	SDRAM Write Enable
EM_CKE	71	O	SDRAM Clock Enable
EM_CLK	70	O	SDRAM Clock
EM_$\overline{\text{WE}}$_DQM[0]	39	O	Write Enable or Byte Enable for EM_D[7:0]
EM_$\overline{\text{WE}}$_DQM[1]	67	O	Write Enable or Byte Enable for EM_D[15:8]
$\overline{\text{EM\_OE}}$	104	O	SDRAM Output Enable
EM_$\overline{\text{RW}}$	102	O	Asynchronous Memory Read/not Write
External Memory Interface (EMIF) Data Bus			
EM_D[0]	52	IO	EMIF Data Bus [Lower 16 Bits]
EM_D[1]	51	IO	
EM_D[2]	49	IO	
EM_D[3]	48	IO	
EM_D[4]	46	IO	
EM_D[5]	45	IO	
EM_D[6]	43	IO	
EM_D[7]	41	IO	
EM_D[8]	66	IO	
EM_D[9]	64	IO	
EM_D[10]	63	IO	
EM_D[11]	61	IO	
EM_D[12]	59	IO	
EM_D[13]	58	IO	
EM_D[14]	56	IO	
EM_D[15]	55	IO	

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-4

Q201 : D707E001RFP250 (32 bit Floating-Point Digital Signal Processor)-4/5

TERMINAL DESCRIPTION

SIGNAL NAME	PIN NO.	TYPE	DESCRIPTION
McASP0, McASP1, McASP2, and SPI1 Serial Ports			
AHCLKR0/AHCLKR1	143	IO	McASP0 and McASP1 Receive Master Clock
ACLKR0	139	IO	McASP0 Receive Bit Clock
AFSR0	141	IO	McASP0 Receive Frame Sync (L/R Clock)
AHCLKX0/AHCLKX2	2	IO	McASP0 and McASP2 Transmit Master Clock
ACLKX0	142	IO	McASP0 Transmit Bit Clock
AFSX0	144	IO	McASP0 Transmit Frame Sync (L/R Clock)
AMUTE0	3	O	McASP0 MUTE Output
AXR0[0]	113	IO	McASP0 Serial Data 0
AXR0[1]	115	IO	McASP0 Serial Data 1
AXR0[2]	116	IO	McASP0 Serial Data 2
AXR0[3]	117	IO	McASP0 Serial Data 3
AXR0[4]	119	IO	McASP0 Serial Data 4
AXR0[5]/$\overline{\text{SPI1\_SCS}}$	120	IO	McASP0 Serial Data 5 or SPI1 Slave Chip Select
AXR0[6]/$\overline{\text{SPI1\_ENA}}$	121	IO	McASP0 Serial Data 6 or SPI1 Enable (Ready)
AXR0[7]/SPI1_CLK	122	IO	McASP0 Serial Data 7 or SPI1 Serial Clock
AXR0[8]/AXR1[5]/ SPI1_SOMI	126	IO	McASP0 Serial Data 8 or McASP1 Serial Data 5 or SPI1 Data Pin Slave Out Master In
AXR0[9]/AXR1[4]/ SPI1_SIMO	127	IO	McASP0 Serial Data 9 or McASP1 Serial Data 4 or SPI1 Data Pin Slave In Master Out
AXR0[10]/AXR1[3]	130	IO	McASP0 Serial Data 10 or McASP1 Serial Data 3
AXR0[11]/AXR1[2]	131	IO	McASP0 Serial Data 11 or McASP1 Serial Data 2
AXR0[12]/AXR1[1]	134	IO	McASP0 Serial Data 12 or McASP1 Serial Data 1
AXR0[13]/AXR1[0]	135	IO	McASP0 Serial Data 13 or McASP1 Serial Data 0
AXR0[14]/AXR2[1]	137	IO	McASP0 Serial Data 14 or McASP2 Serial Data 1
AXR0[15]/AXR2[0]	138	IO	McASP0 Serial Data 15 or McASP2 Serial Data 0
ACLKR1	9	IO	McASP1 Receive Bit Clock
AFSR1	12	IO	McASP1 Receive Frame Sync (L/R Clock)
AHCLKX1	5	IO	McASP1 Transmit Master Clock
ACLKX1	7	IO	McASP1 Transmit Bit Clock
AFSX1	11	IO	McASP1 Transmit Frame Sync (L/R Clock)
AMUTE1	4	O	McASP1 MUTE Output
SPI0, I2C0, and I2C1 Serial Port Pins			
SPI0_SOMI/I2C0_SDA	111	IO	SPI0 Data Pin Slave Out Master In or I2C0 Serial Data
SPI0_SIMO	110	IO	SPI0 Data Pin Slave In Master Out
SPI0_CLK/I2C0_SCL	108	IO	SPI0 Serial Clock or I2C0 Serial Clock
$\overline{\text{SPI0\_SCS}}$/I2C1_SCL	107	IO	SPI0 Slave Chip Selector I2C1 Serial Clock
$\overline{\text{SPI0\_ENA}}$/I2C1_SDA	105	IO	SPI0 Enable (Ready) or I2C1 Serial Data

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-5

Q201 : D707E001RFP250 (32 bit Floating-Point Digital Signal Processor)-5/5

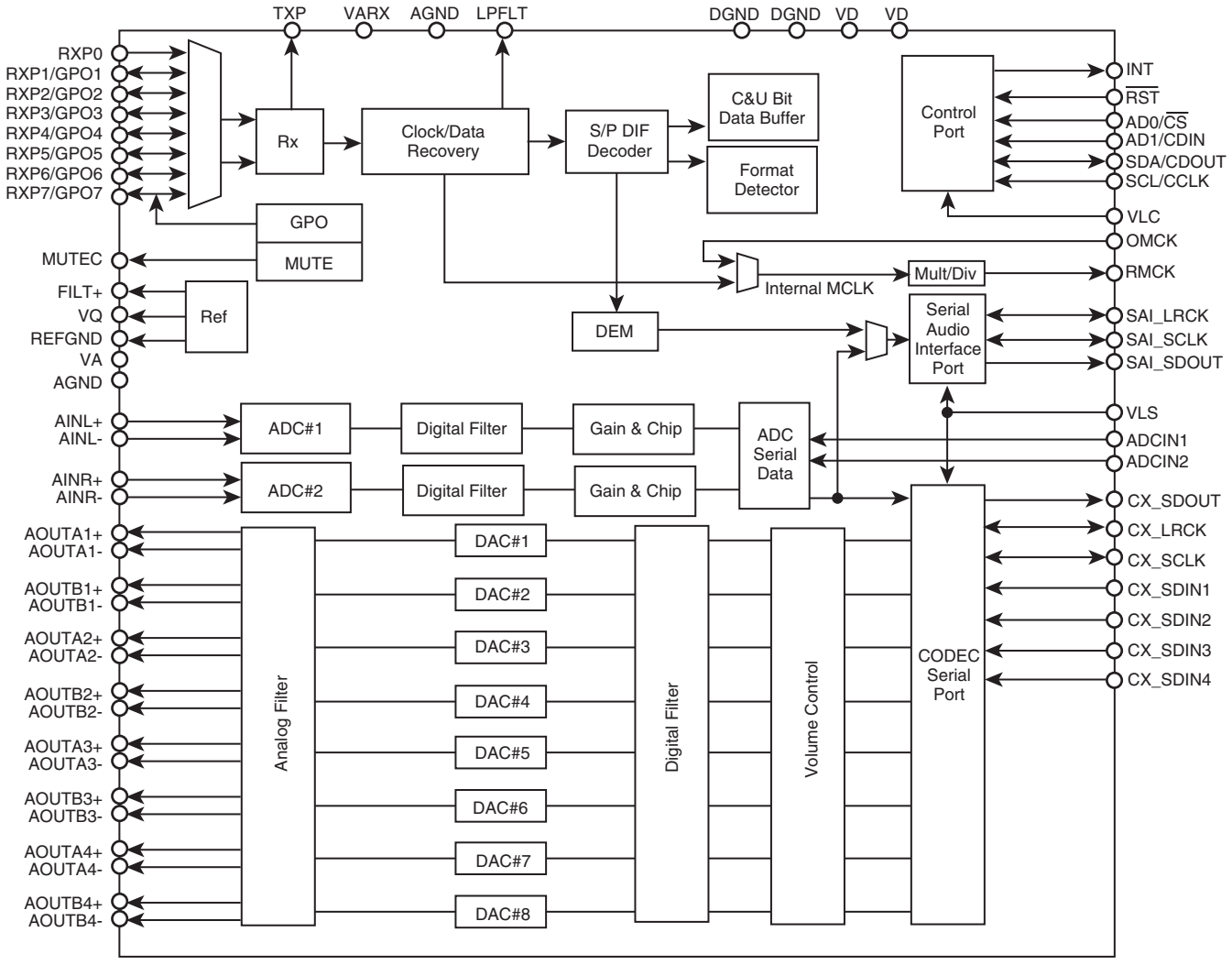
TERMINAL DESCRIPTION

SIGNAL NAME	PIN NO.	TYPE	DESCRIPTION
Clocks			
OSCIN	23	I	1.2-V OscillatorInput
OSCOUT	24	O	1.2-V OscillatorOutput
OSCVDD	25	PWR	Oscillator 1.2-V VDD tap point (for filter only)
OSCVSS	22	PWR	Oscillator VSS tap point (for filter only)
CLKIN	17	I	Alternate clock input (3.3-V LVCMOS Input)
PLLHV	27	PWR	PLL 3.3-V Supply Input (requires external filter)
Device Reset			
$\overline{\text{RESET}}$	14	I	Device reset pin
Emulation/JTAG Port			
TCK	35	I	Test Clock
TMS	19	I	Test Mode Select
TDI	28	I	Test Data In
TDO	29	OZ	Test Data Out
$\overline{\text{TRST}}$	21	I	Test Reset
$\overline{\text{EMU[0]}}$	32	IO	Emulation Pin 0
$\overline{\text{EMU[1]}}$	34	IO	Emulation Pin 1
Power Pins			
Core Supply (CVDD)	8, 16, 20, 33, 44, 53, 57, 65, 77, 85, 90, 101, 123, 128, 132		
IO Supply (DVDD)	10, 31, 42, 50, 60, 68, 73, 81, 92, 103, 112, 125, 136		
Ground (VSS)	1, 6, 13, 15, 18, 26, 30, 36, 40, 47, 54, 62, 69, 72, 78, 82, 87, 95, 99, 106, 109, 114, 118, 124, 129, 133, 140		

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-6

Q301 : CS42518 (8-Ch Codec with S/PDIF Receiver)-1/4

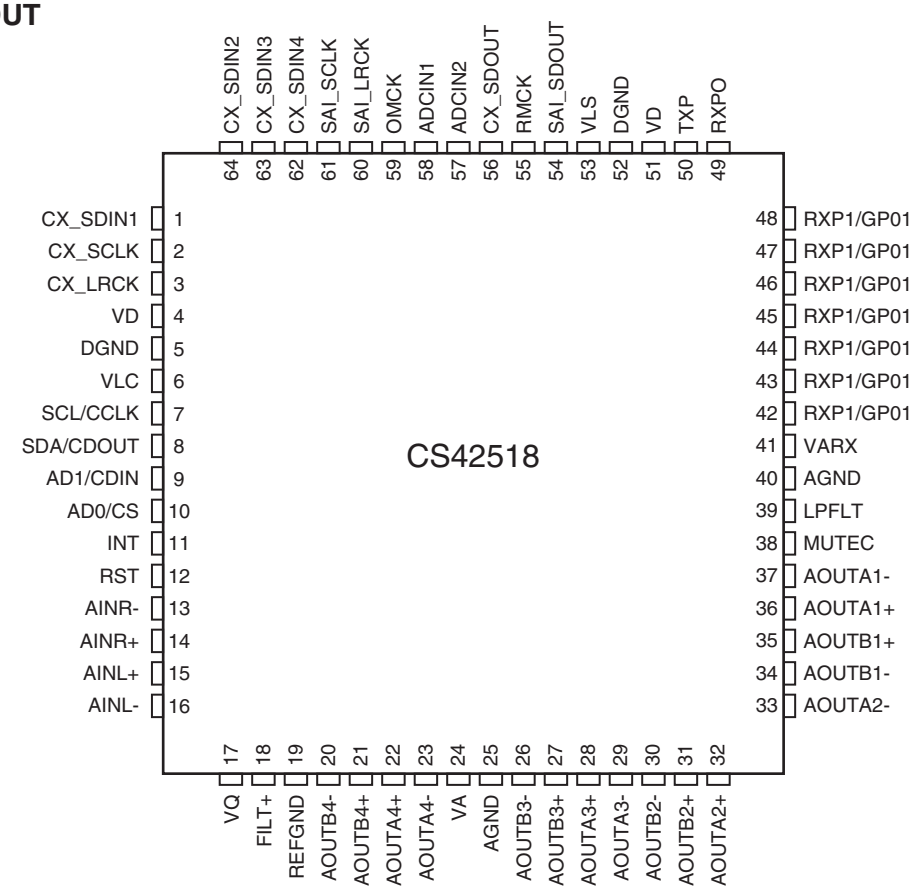
BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-7

Q301 : CS42518 (8-Ch Codec with S/PDIF Receiver)-2/4

PIN LAYOUT



TERMINAL DESCRIPTION

Name	Pin No.	Function
CX_SDIN1 CX_SDIN2 CX_SDIN3 CX_SDIN4	1 64 63 62	Codec Serial Audio Data Input (Input) - Input for two's complement serial audio data.
CX_SCLK	2	CODEC Serial Clock (Input/Output) - Serial clock for the CODEC serial audio interface.
CX_LRCK	3	CODEC Left Right Clock (Input/ Output) - Determines which channel, Left or Right, is currently active on the CODEC serial audio data line.
VD	4 51	Digital Power (Input) - Positive power supply for the digital section.
DGND	5 52	Digital Ground (Input) - Ground reference. Should be connected to digital ground.
VLC	6	Control Port Power (Input) - Determines the required signal level for the control port.
SCL/CCLK	7	Serial Control Port Clock (Input) - Serial clock for the serial control port. Requires an external pull-up resistor to the logic interface voltage in I2C mode as shown in the Typical Connection Diagram.
SDA/CDOUT	8	Serial Control Data (Input/Output) - SDA is a data I/O line in IC mode and requires an external pull-up resistor to the logic interface voltage, as shown in the Typical connection Diagram. CDOUT is the output data line for the control port interface in SPI mode.
AD1/CDIN	9	Address Bit 1 (I2C)/Serial Control Data (SPI) (Input) - AD1 a chip address pin in I2C mode; CDIN is the input data line for control port interface in SPI mode.

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-8

Q301 : CS42518 (8-Ch Codec with S/PDIF Receiver)-3/4

TERMINAL DESCRIPTION

Name	Pin No.	Function
AD0/CS	10	Address Bit 0 (I2C)/Control Port Chip Select (SPI) (INput) - AD0 is a chip address pin in I2C mode; CS is the chip select signal in SPI mode.
INT	11	Interrupt (Ountput) - The CS42518 will generate an interrupt condition as per the Interrupt Mask register.
RST	12	Reset (Input) - The device enters a low power mode and all internal registers are reset to their default settings when low.
AINR- AINR+	13 14	Differential right Channel Analog Input (Input) - Signals are presented differentially to the delta-sigma modulators via the AINR+/- pins.
AINL- AINL+	15 16	Differential right Channel Analog Input (Input) - Signals are presented differentially to the delta-sigma modulators via the AINR+/- pins.
VQ	17	Quiescent Voltage (Output) - Filter connection for internal quiescent reference voltage.
FILT+	18	Positive Voltage Reference (Output) - Positive reference voltage for the internal sampling circuits.
REFGND	19	Reference Ground (Input) - Ground reference for the internal sampling circuits.
AOUTA1 +, - AOUTB1 +, - AOUTA2 +, - AOUTB2 +, - AOUTA3 +, - AOUTB3 +, - AOUTA4 +, - AOUTB4 +, -	36, 37 35, 34 32, 33 31, 30 28, 29 27, 26 22, 23 21, 20	Differential Analog Output (Output) - The full-scale differential analog output level is specified in the Analog Characteristics specification table.
VA VARX	24 41	Analog Power (Input) - Positive power supply for the analog section.
AGND	25 40	Analog Ground (Input) - Ground reference. Should be connected to analog ground.
MUTEC	38	Mute Control (Output) - The Mute Control pin outputs high impedance following an initial power -on condition or whenever the PDN bit is set to a "1", forcing the codec into power -down mode. The signal will remain in a high impedance state as long as the part is in power-down mode. The Mute Control pin goes to the selected "active" state during reset, muting, or if the master clock to left/right clock frequency ratio is incorrect. This pin is intended to be used as a control for external mute circuits to prevent the clicks and pops that can occur in any single supply system. The use of external mute circuits are not mandatoy but may be desired for designs requiring the absolute minimum in extraneous clicks and pops.
LPFLT	39	PLL Loop Filer (Output) - An RC network should be connected between this pin and ground.
RXP7/GPO7 RXP6/GPO6 RXP5/GPO5 RXP4/GPO4 RXP3/GPO3 RXP2/GPO2 RXP1/GPO1	42 43 44 45 46 47 48	S/PDIF Receiver Input/ General Purpose Output (Input/ Output) - Receiver inputs for S/PDIF encoded data. The CS42518 has an internal 8:2 multiplexer to select the active receiver port, according to the Receiver Mode Control 2 resister. These pins can also be configured as general purpose output pins, ADC Overflow indicators or Mute Control outputs according to the RXP/General Purpose Pin Control resisters.
RXP0	49	S/PDIF Receiver Input (Input) - Dedicated receiver input for S/PDIF encoded data.
TXP	50	S/PDIF Transmitter Output (Output) - S/PDIF encoded data output, mapped directly from one of the receiver inputs as indicated by the Receiver Mode Control 2 resister.
VLP	53	Serial Port Interface Power (Input) - Determines the required signal level for the serial port interfaces.
SAI_SDOUT	54	Serial Audio Interface Serial Data Output (Output) - Output for two's complement serial audio PCM data from the S/PDIF incoming stream. This pin can also be configured to transmit the output of the internal and external ADCs.
RMCK	55	Recovered Master Clock (Output) - Recovered master clock output from the External Clock Reference

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-9

Q301 : CS42518 (8-Ch Codec with S/PDIF Receiver)-4/4

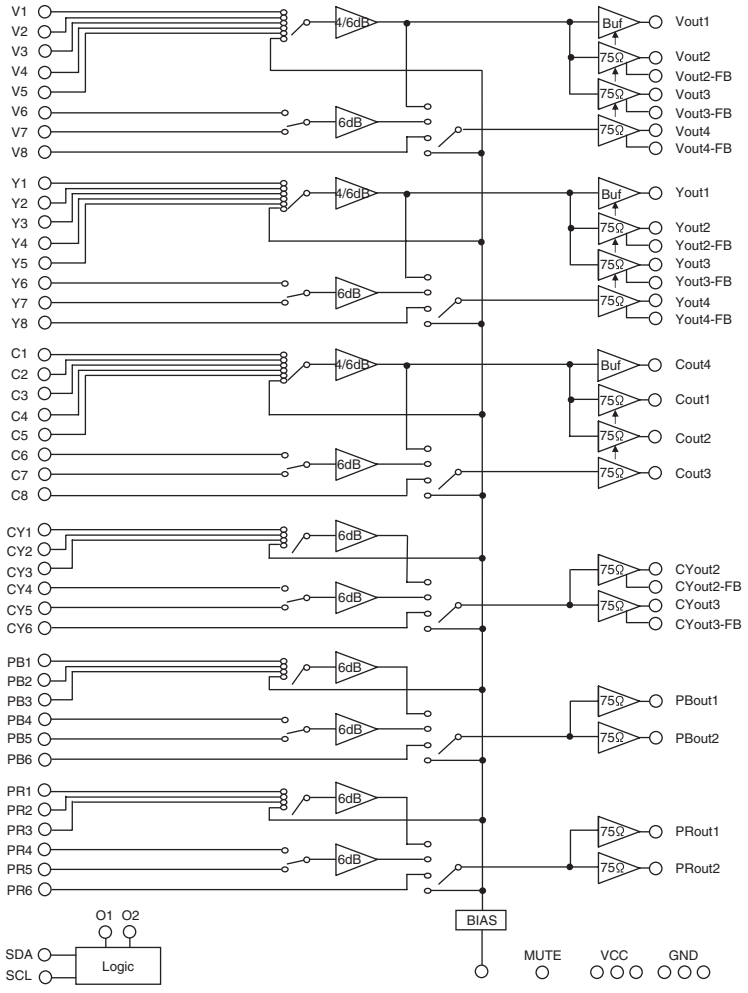
TERMINAL DESCRIPTION

Name	Pin No.	Function
CL_SDOUT	56	CODEC Serial Data Output (Output) - Output for two's complement serial audio data the internal and external ADCs.
ADCIN1 ADCIN2	58 57	External ADC Serial Input (Input) - The CS42518 provides for up two external stereo analog to digital converter inputs to provide a maximum of six channels on serial data output line when the CS42518 is placed in One Line mode.
OMCK	59	External Reference Clock (Input) - External clock reference that must be within the ranges specified in currently active on the serial audio data line.
SAI_LRCK	60	Serial Audio Interface Left/Right Clock (Input/Output) - Determines which channel, Left of Right, is currently active on the serial audio data line.
SAI_LRCK	61	Serial Audio Interface Serial Clock (Input/Output) - Serial clock for the Serial Audio Interface.

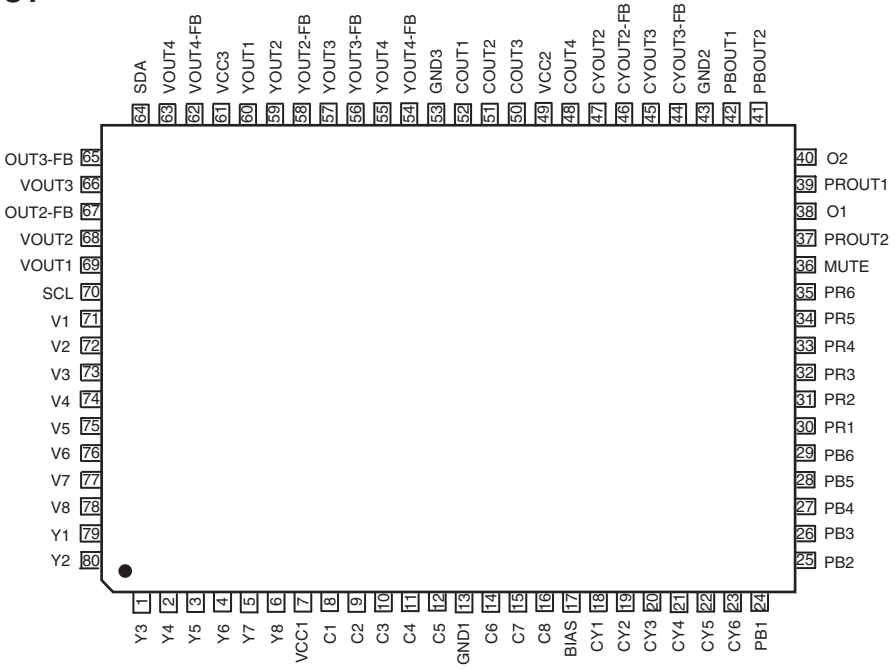
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-10

Q4002 : AN15881A (Video SW for TV with Multi-signal 14 Inputs and 4 Outputs) -1/3

BLOCK DIAGRAM



PIN LAYOUT



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-11

Q4002 : AN15881A (Video SW for TV with Multi-signal 14 Inputs and 4 Outputs) -2/3

TERMINAL DESCRIPTION

Pin No.	Pin name	Type	Description
1	Y3	In	Luminance signal input 3
2	Y4	In	Luminance signal input 4
3	Y5	In	Luminance signal input 5
4	Y6	In	Luminance signal input 6
5	Y7	In	Luminance signal input 7
6	Y8	In	Luminance signal input 8
7	VCC1	Power supply	5.0V power supply
8	C1	In	Chrominance signal input 1
9	C2	In	Chrominance signal input 2
10	C3	In	Chrominance signal input 3
11	C4	In	Chrominance signal input 4
12	C5	In	Chrominance signal input 5
13	GND1	Ground	Ground
14	C6	In	Chrominance signal input 6
15	C7	In	Chrominance signal input 7
16	C8	In	Chrominance signal input 8
17	BIAS	Output	Bias voltage
18	CY1	In	CY1 signal input
19	CY2	In	CY2 signal input
20	CY3	In	CY3 signal input
21	CY4	In	CY4 signal input
22	CY5	In	CY5 signal input
23	CY6	In	CY6 signal input
24	PB1	In	PB1 signal input
25	PB2	In	PB2 signal input
26	PB3	In	PB3 signal input
27	PB4	In	PB4 signal input
28	PB5	In	PB5 signal input
29	PB6	In	PB6 signal input
30	PR1	In	PR1 signal input
31	PR2	In	PR2 signal input
32	PR3	In	PR3 signal input
33	PR4	In	PR4 signal input
34	PR5	In	PR5 signal input
35	PR6	In	PR6 signal input
36	MUTE	In	Mute control pin
37	PROUT2	Out	PROUT2 signal output
38	O1	Out	General output 1
39	PROUT1	Out	PROUT1 signal output
40	O2	Out	General output 2

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-12

Q4002 : AN15881A (Video SW for TV with Multi-signal 14 Inputs and 4 Outputs) -3/3

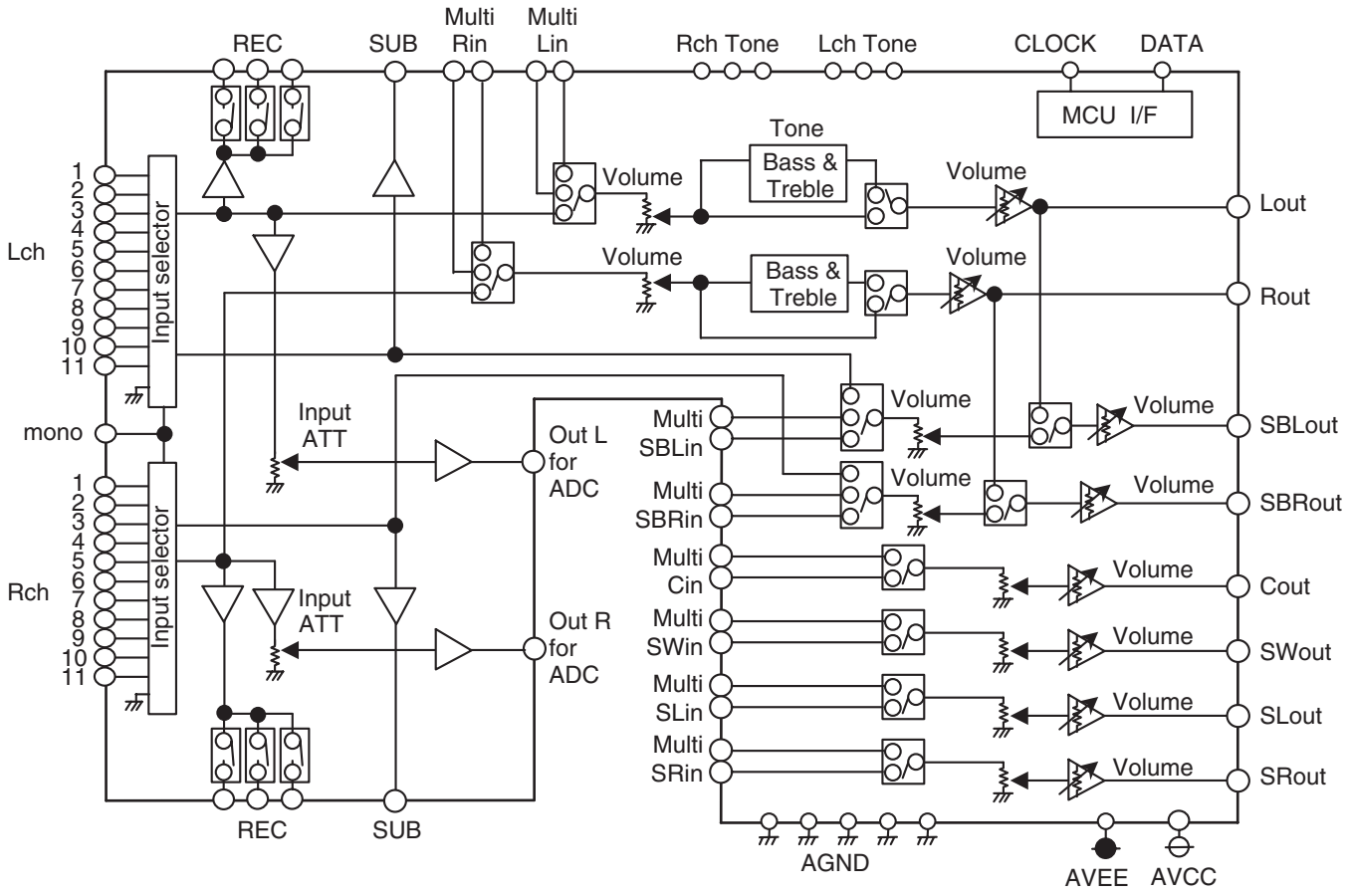
TERMINAL DESCRIPTION

Pin No.	Pin name	Type	Description
41	PBOUT2	Out	PBOUT2 signal output
42	PBOUT1	Out	PBOUT1 signal output
43	GND2	Ground	Ground
44	CYOUT3-FB	In	CYOUT3 feedback input
45	CYOUT3	Out	CYOUT3 signal output
46	CYOUT2-FB	In	CYOUT2 feedback input
47	CYOUT2	Out	CYOUT2 signal output
48	COUT4	Out	COUT4 signal output
49	VCC2	Power supply	5.0V power supply
50	COUT3	Out	COUT3 signal output
51	COUT2	Out	COUT2 signal output
52	COUT1	Out	COUT1 signal output
53	GND3	Ground	Ground
54	YOUT4-FB	In	YOUT4 feedback input
55	YOUT4	Out	YOUT4 signal output
56	YOUT3-FB	In	YOUT3 feedback input
57	YOUT3	Out	YOUT3 signal output
58	YOUT2-FB	In	YOUT2 feedback input
59	YOUT2	Out	YOUT2 signal output
60	YOUT1	Out	YOUT1 signal output
61	VCC3	Power supply	5.0V power supply
62	VOUT4-FB	In	VOUT4 feedback input
63	VOUT4	Out	VOUT4 signal output
64	SDA	In	I^2C bus data input
65	VOUT3-FB	In	VOUT3 feedback input
66	VOUT3	Out	VOUT3 signal output
67	VOUT2-FB	In	VOUT2 feedback input
68	VOUT2	Out	VOUT2 signal output
69	VOUT1	Out	VOUT1 signal output
70	SCL	In	I^2C bus clock input
71	V1	In	Video composite signal input 1
72	V2	In	Video composite signal input 2
73	V3	In	Video composite signal input 3
74	V4	In	Video composite signal input 4
75	V5	In	Video composite signal input 5
76	V6	In	Video composite signal input 6
78	V7	In	Video composite signal input 7
77	V8	In	Video composite signal input 8
79	Y1	In	Luminance signal input 1
80	Y2	In	Luminance signal input 2

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-13

Q5501 : R2S15211FP (8 ch Electronic Volume and 11 Input Selector and Tone Control)-1/3

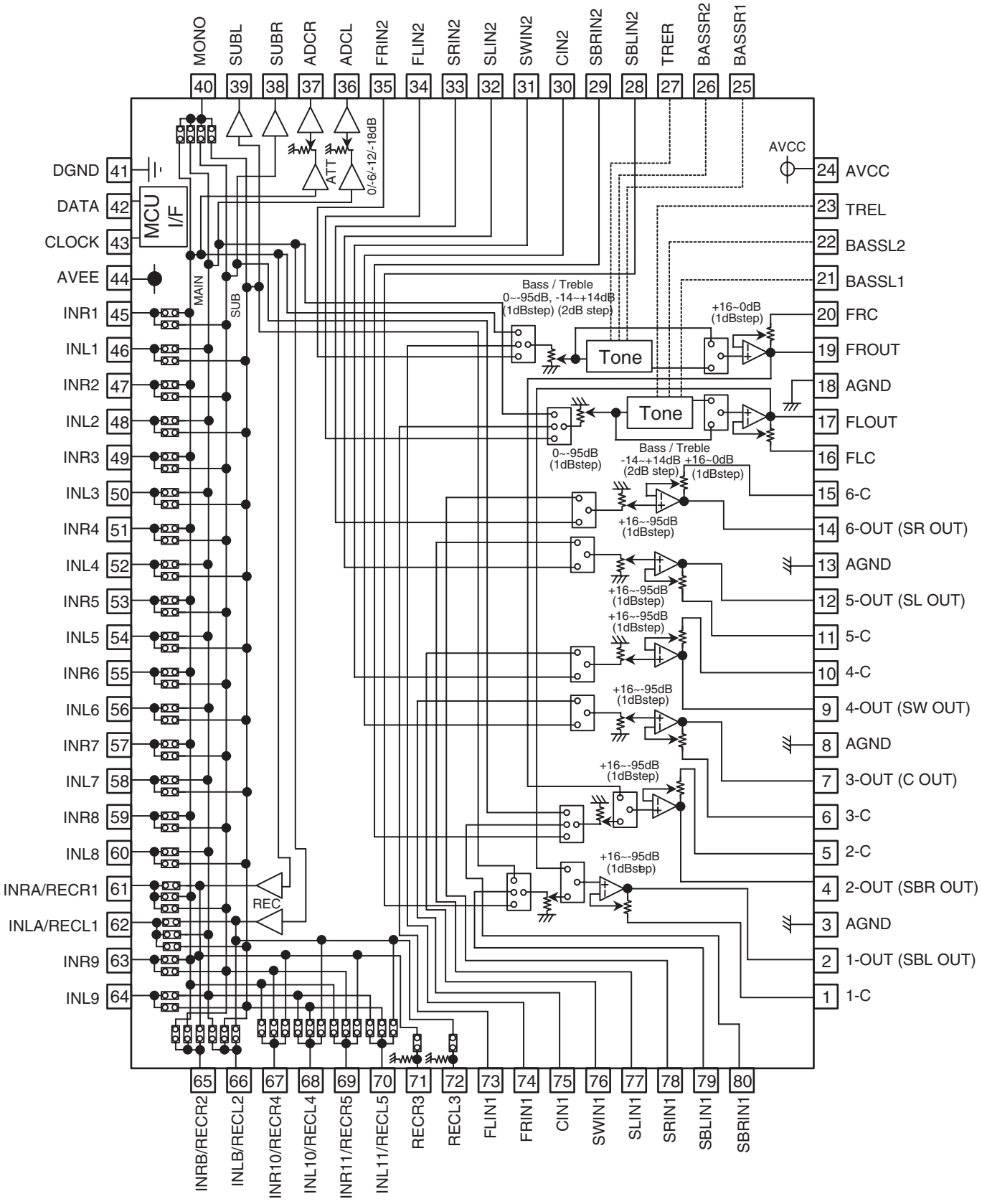
SYSTEM DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-14

Q5501 : R2S15211FP (8 ch Electronic Volume and 11 Input Selector and Tone Control)-2/3

BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-15

Q5501 : R2S15211FP (8 ch Electronic Volume and 11 Input Selector and Tone Control)-3/3

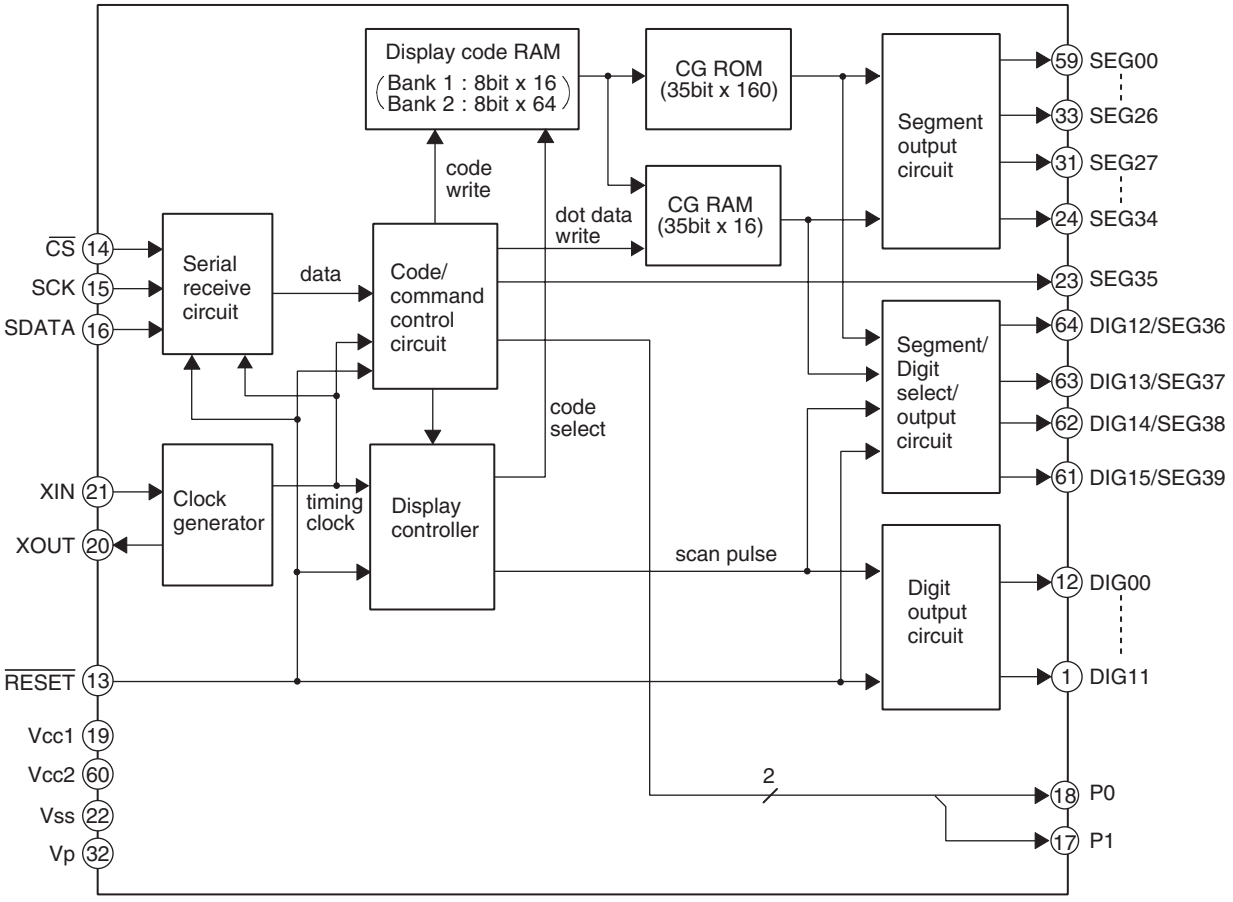
TERMINAL DESCRIPTION

PIN No.	Name	Function
19,17, 14,12, 9,7, 4,2	FROUT, FLOUT, 6-OUT, 5-OUT, 4-OUT, 3-OUT, 2-OUT, 1-OUT	Output pin of FL/FR/C/SW/SL/SR/SBL/SBR channel
20,16, 15,11, 10,6, 5,1	FRC, FLC, 6-C, 5-C, 4-C, 3-C, 2-C, 1-C	Connects capacitor for reducing click noise of L/R/C/SW/SL/SR/SBL/SBR channel volume
3,8, 13,18	AGND	Analog ground of internal circuit
23,27	TREL, TRER	Frequency characteristic setting pin of L/R channel tone control(Treble)
21,22, 25,26	BASSL1, BASSL2 BASSR1, BASSR2	Frequency characteristic setting pin of L/R channel tone control(Bass)
24	AVCC	Positive power supply to internal circuit
35,34, 33,32, 31,30, 29,28	FRIN2, FLIN2, SRN2, SLIN2, SWIN2, CIN2, SBRIN2, SBLIN2	Input pin of L/R/C/SW/SL/SR/SBL/SBR channel (Multi IN 1/2)
73,74, 75,76, 77,78, 79,80	FLIN1, FRIN1, CIN1, SWIN1, SLIN1, SRIN1, SBLIN1, SBRIN1	
41	DGND	Digital ground of internal circuit
42	DATA	Input pin of control data
43	CLOCK	Input pin of control clock
44	AVEE	Negative power supply to internal circuit
46,48,50, 52,54,56, 58,60,64	INL1, INL2, INL3, INL4, INL5, INL6, INL7, INL8, INL9	Input pin of L/R channel (Input Selector)
45,47,49, 51,53,55, 57,59,63	INR1, INR2, INR3, INR4, INR5, INR6, INR7, INR8, INR9	
40	MONO	Input pin of monaural (Input Selector)
38,39	SUBL, SUBR	Output pin for L/R channel SUB Output
36,37	ADCL, ADCR	Output pin for L/R channel ADC
72	RECL3	Output pin for L/R channel REC Output
71	RECR3	
61,62, 65,66, 67,68, 69,70	INRA/RECR1, INLA/RECL1, INRB/RECR2, INLB/RECL2, INR10/RECR4, INL10/RECL4, INR11/RECR5, INL11/RECL5	Input pin of L/R channel (Input Selector)/ Output pin for L/R channel REC Output

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-16

Q7003 : M66005-0001AHP (FL Tube Driver)

BLOCK DIAGRAM



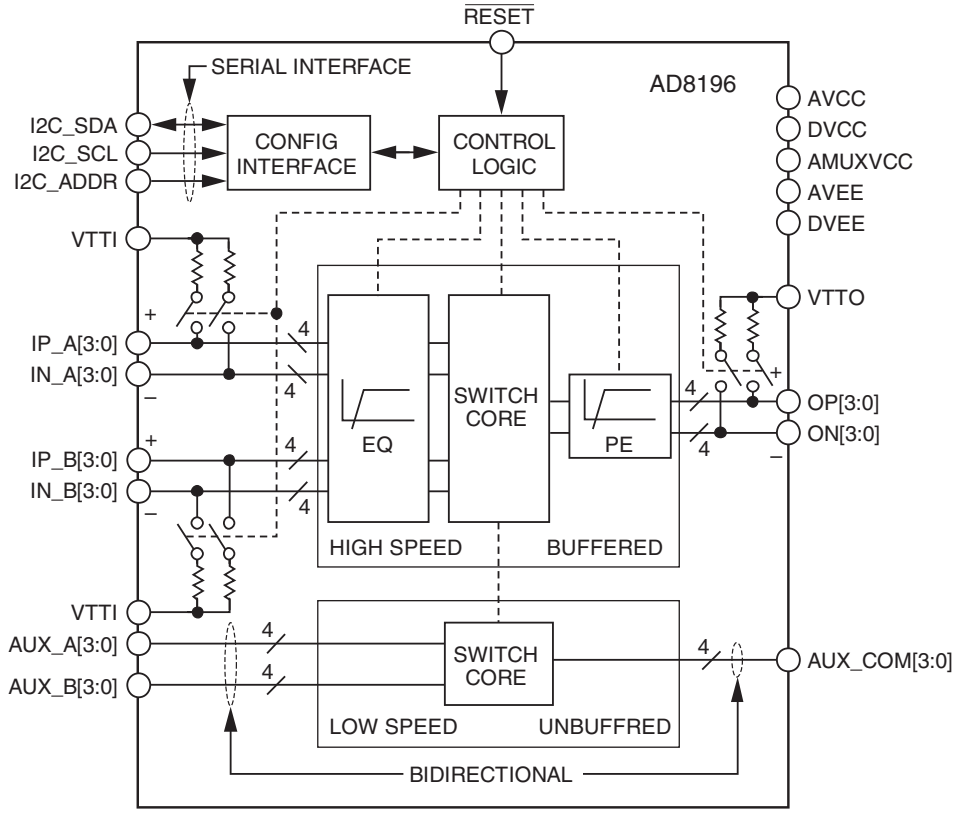
TERMINAL DESCRIPTION

PIN NO.	SYMBOL	PIN NAME	DESCRIPTION
13	$\overline{\text{RESET}}$	Reset input	This pin is used to initialize the internal state of the M66004.
14	$\overline{\text{CS}}$	Chip select input	"L" : Communication with the MCU is possible. "H" : Any instruction from the MCU is neglected.
15	SCK	Shift clock input	At the rising edge from "L" to "H", input data is shifted.
16	SDATA	Serial data input	Character code or command data to display is input from MSB.
21, 20	XIN, XOUT	Clock input Clock output	This pin is used to connect a resister and a capacitor externally to set oscillation frequency.
1~12 61~64	DIG00 ~ DIG15	Digit output	These pins are used to connect to digit pins of VFD.
23~31 33~59	SEG00 ~ SEG39	Segment output	These pins are used to connect to segment pins of VFD.
17, 18	P0, P1		Output port (static operation)
19	VCC1		Positive power supply for internal logic.
60	VCC2		Positive power supply for high-pressure-resistant output port.
22	VSS		GND
32	VP		Negative power supply for VFD drive.

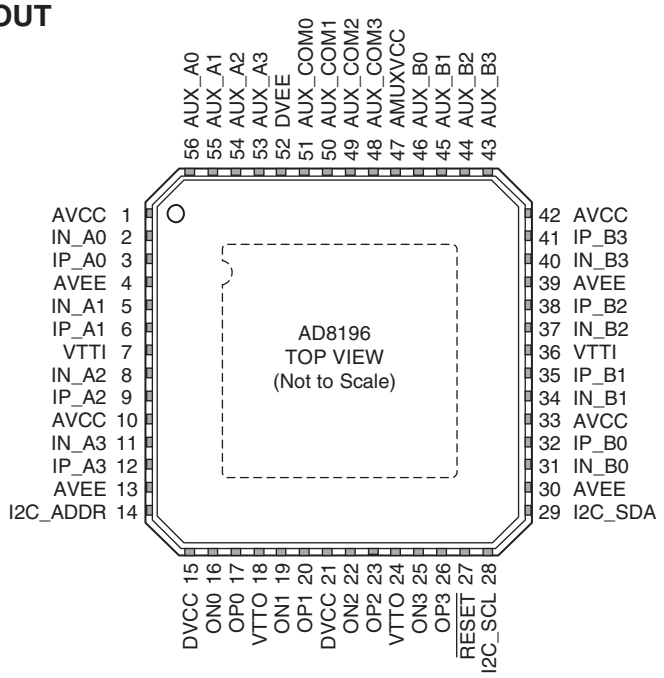
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-17

Q8003 : AD8196 (HDMI/DVI Switch with Equalization)-1/2

BLOCK DIAGRAM



PIN LAYOUT



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS-18

Q8003 : AD8196 (HDMI/DVI Switch with Equalization)-2/2

TERMINAL DESCRIPTION

Pin No.	Mnemonic	Type	Description
1, 10, 33, 42	AVCC	Power	Positive Analog Supply. 3.3 V nominal.
2	IN_A0	HS I	High Speed Input Complement.
3	IP_A0	HS I	High Speed Input.
4, 13, 30, 39, ePAD	AVEE	Power	Negative Analog Supply. 0 V nominal.
5	IN_A1	HS I	High Speed Input Complement.
6	IP_A1	HS I	High Speed Input.
7, 36	VTTI	Power	Input Termination Supply. Nominally connected to AVCC.
8	IN_A2	HS I	High Speed Input Complement.
9	IP_A2	HS I	High Speed Input.
11	IN_A3	HS I	High Speed Input Complement.
12	IP_A3	HS I	High Speed Input.
14	I2C_ADDR	Control	I^2C Address LSB.
15, 21	DVCC	Power	Positive Digital Power Supply. 3.3 V nominal.
16	ON0	HS O	High Speed Output Complement.
17	OP0	HS O	High Speed Output.
18, 24	VTTO	Power	Output Termination Supply. Nominally connected to AVCC.
19	ON1	HS O	High Speed Output Complement.
20	OP1	HS O	High Speed Output.
22	ON2	HS O	High Speed Output Complement.
23	OP2	HS O	High Speed Output.
25	ON3	HS O	High Speed Output Complement.
26	OP3	HS O	High Speed Output.
27	$\overline{\text{RESET}}$	Control	Configuration Registers Reset. This pin is normally pulled up to DVCC.
28	I2C_SCL	Control	I^2C Clock.
29	I2C_SDA	Control	I^2C Data.
31	IN_B0	HS I	High Speed Input Complement.
32	IP_B0	HS I	High Speed Input.
34	IN_B1	HS I	High Speed Input Complement.
35	IP_B1	HS I	High Speed Input.
37	IN_B2	HS I	High Speed Input Complement.
38	IP_B2	HS I	High Speed Input.
40	IN_B3	HS I	High Speed Input Complement.
41	IP_B3	HS I	High Speed Input.
43	AUX_B3	LS I/O	Low Speed Input/Output.
44	AUX_B2	LS I/O	Low Speed Input/Output.
45	AUX_B1	LS I/O	Low Speed Input/Output.
46	AUX_B0	LS I/O	Low Speed Input/Output.
47	AMUXVCC	Power	Positive Auxiliary Switch Supply. 5 V typical.
48	AUX_COM3	LS I/O	Low Speed Common Input/Output.
49	AUX_COM2	LS I/O	Low Speed Common Input/Output.
50	AUX_COM1	LS I/O	Low Speed Common Input/Output.
51	AUX_COM0	LS I/O	Low Speed Common Input/Output.
52	DVEE	Power	Negative Digital and Auxiliary Switch Power Supply. 0 V nominal.
53	AUX_A3	LS I/O	Low Speed Input/Output.
54	AUX_A2	LS I/O	Low Speed Input/Output.
55	AUX_A1	LS I/O	Low Speed Input/Output.
56	AUX_A0	LS I/O	Low Speed Input/Output.

HS = high speed, LS = low speed, I = input, O = output.

MICROPROCESSOR TERMINAL DESCRIPTIONS-1

Q701 : M30626FHPFP

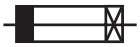
Pin No.	Pin Name	I/O	Act.	Description
1	HDMSDA	O	H	Data output for HDMI switch IC (AD8190).
2	HDMSCL	O	CLK	Clock output for HDMI switch IC (AD8190).
3	VCRST	O	H	Reset control output for video encoder IC and decoder IC.
4	VMUT	O	L	Mute control output for video switch IC (AN15880).
5	NU	---	---	Not used.
6	XMLNK	I	H	Input of XM link active signal.
7	XMANT	I	H	Input of XM ANT REV signal.
8	BYTE	---	---	Select of external bus width. Connect to ground.
9	CNVSS	---	---	Select of processor mode.
10	RDSDATA	I	H	RDS data input (PP type) / Not used (other type).
11	XMSRSEL	O	H	Output of select XM/ SIRIUS.
12	RESET	I	L	Reset input.
13	XOUT	O	---	Connected to oscillator.
14	VSS	---	---	Ground.
15	XIN	I	---	Connected to oscillator.
16	VCC1	---	---	Power supply.
17	NU	---	---	Not used.
18	POFF	I	L	Power failure detect input.
19	VSYNC	I	L	Not used.
20	RDSCLK/XMERRRIRQ	I	L	XM IC interrupt detect(D type) / RDS clock input(PP type) / Not used(others).
21	XMCOMSEL	O	H	Control output of XM IC.
22	XMDACRST	O	L	Reset control output XM DAC.
23	DIRINT0	I	H	Unlock detect input of DIR (CS42518).
24	DSPCLK	O	H	Clock output of DSP.
25	DSPINT2	I	L	Detect input of DSP.
26	DEC	I	L	Detect input of DSP.
27	NIC	I	L	Detect input of DSP.
28	SDET	I	L	Detect input of video and S-video.
29	VCSCL/PLLSCL	O	CLK	Video encoder / decoder clock output / Tuner unit clock output.
30	VCSDA/PLLSCL	I/O	H	Video encoder / decoder data output / Tuner unit data output.
31	FTXD	O	H	Writing port of flash microprocessor.
32	FRXD	I	H	Writing port of flash microprocessor.
33	FCLK	O	CLK	Writing port of flash microprocessor.
34	FBUSY	O	H	Writing port of flash microprocessor.
35	XMSRTXD	O	H	Data output for XM IC / SIRIUS UART.
36	XMSRRXD	I	H	Data input from XM IC / SIRIUS UART.
37	XMRST	O	L	XM IC reset control output.
38	DIRCS	O	L	DIR (CS42518) chip select output.
39	DIRRST	O	L	DIR (CS42518) reset control output.
40	DSPCS	O	L	DSP chip select output.
41	FEPM	I	H	Writing port of flash microprocessor.
42	DSPRST	O	L	Reset control output for DSP.
43	DIGCLK	O	CLK	Clock output for DIR (CS42518).
44	DIGSDI	I	H	Data input from DIR (CS42518).
45	DIGSDO	O	H	Data output for DIR (CS42518).
46	FCE	I	H	Writing port of flash microprocessor.
47	AMUT	O	H	Control output of audio mute.
48	SPRLB	O	H	Control output for speaker (speakers-B) relay.
49	SPRLSB	O	H	Control output for speaker (surround back) relay.
50	SPRLCS	O	H	Control output for speaker (Center/surround) relay.

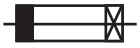
MICROPROCESSOR TERMINAL DESCRIPTIONS-2
Q701 : M30626FHPFP

Pin No.	Pin Name	I/O	Act.	Description
51	SPRLF	O	H	Control output for speaker (front) relay.
52	EEP_SDA	I/O	H	Data output / input to EEPROM (S24CS16A).
53	VOLDAT	O	H	Data output to selector and volume IC (R2S15211).
54	VOLCLK	O	CLK	Clock output to selector and volume IC (R2S15211).
55	EEP_SCL	O	CLK	Clock output to EEPROM (S24CS16A) I2C.
56	VPOWER	O	H	Control output for power supply of video section. Not used (D type).
57	APOWER	O	H	Control output for main power supply.
58	POFF2	I	L	POFF2 detect input.
59	FANH	O	L	Control output of cooling fan. “L” = High speed.
60	FANCTRL	O	L	Control output of cooling fan. “L” = ON.
61	---	---	---	Not used.
62	VCC2	---	---	Power supply.
63	SEC1H	O	H	Control output for power supply of power amplifier section.
64	VSS	---	---	Ground.
65	PROTECT	I	H	Detect input of speaker protect.
66	VOLH	I	A/D	Detect input of speaker output level.
67	THERMAL	I	A/D	Thermal detect input.
68	INIT3	I	A/D	Input for initial setting.
69	INIT2	I	A/D	Input for initial setting.
70	INIT1	I	A/D	Input for initial setting.
71	BAND	I	A/D	Input for tuner frequency setting.
72	SYSOUT	O	L	RI (system control) output.
73	SYSIN	I	H	RI (system control) input.
74	---	---	---	Not used.
75	REMIN	I	L	Control signal input from remote sensor.
76	STEREO	I	L	FM stereo detect input.
77	SD	I	L	FM/AM tuned detect input.
78	HPDET	I	H	Headphone detect input.
79	VOLB	I	H	Signal input from rotary encoder (Master volume).
80	VOLA	I	H	Signal input from rotary encoder (Master volume).
81	---	---	---	Not used.
82	MICDET	I	L	Detection signal input of SETUP MIC.
83	MICMUT	O	H	Control output of MIC mute.
84	LEDSTBY	O	L	Control output of Standby LED.
85	FLDSDO	O	H	Data output to FL driver (M66005).
86	FLDCLK	O	CLK	Clock output to FL driver (M66005).
87	FLDCS	O	L	Chip select output to FL driver (M66005).
88	FLDRST	O	L	Reset control output to FL driver (M66005).
89	---	---	---	Not used.
90	---	---	---	Not used.
91	KEYINT1	I	L	Key interrupt input.
92	KEYINT0	I	L	Key interrupt input.
93	KEY3	I	A/D	Key input.
94	KEY2	I	A/D	Key input.
95	KEY1	I	A/D	Key input.
96	AVSS	---	---	Ground for A/D converter.
97	KEY0	I	A/D	Key input.
98	VREF	---	---	Power supply for reference of A/D converter.
99	AVCC	---	---	Power supply.
100	HDMRST	O	L	Reset output to HDMI switch (AD8190).

SERVICE PROCEDURE

1. Replacing the fuses

 This symbol located near the fuse indicates that the fuse used is show operating type, For continued protection against fire hazard, replace with same type fuse, For fuse rating, refer to the marking adjacent to the symbol.

 Ce symbole indique que le fusible utilise est e lent. Pour une protection permanente, n'utiliser que des fusibles de meme type. Ce demier est indique la qu le present symbol est apposre.

REF NO.	PART NAME	DESCRIPTION	PART NO.	REMARKS
F901	FUSE	8A-UL/T-233	252329GR	!, <MDC>
F901 or	FUSE	8A-T/UL-ST2	252261GR	!, <MDC>
F901	FUSE	8A-UL/T-233	252329GR	!, <MDD>
F901 or	FUSE	8A-T/UL-ST2	252261GR	!, <MDD>
F901	FUSE	4A-SE-EAK	252077GR	!, <MPA>
F901 or	FUSE	4A-SE-TL250V	252277GR	!, <MPA>
F6901	FUSE	10A-UL/T-233	252330GR	!
F6901 or	FUSE	10A-T/UL-ST2	252333GR	!
F6902	FUSE	10A-UL/T-233	252330GR	!
F6902 or	FUSE	10A-T/UL-ST2	252333GR	!

<Notes>

<MDD> : USA model

<MDC> : Canadian model

<MPA> : Australian model

2. To initialize the unit

1. Press and hold down VCR/DVR button, then press STANDBY/ON button when the unit is powered on.
2. After " *Clear* " is displayed, the preset memory and each mode stored in the memory, are initialized and will return to the factory settings.

3. To check version of microprocessor

1. Press and hold down DISPLAY button, then press STANDBY/ON button when the unit is powered on. The version will be displayed on FL display only for 3 seconds.

Ex. *Ver.1.02/07904A*

2. Press STANDBY/ON button to power off.

OPERATION CHECK-1

SPEAKER PROTECT-1 ((DC VOLTAGE DETECTION)

[When]

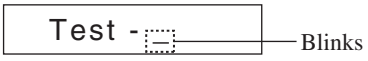
1. Exchange power transistors (Q6050 - Q6056, Q6060 - Q6066).
2. Exchange amplifier PC board ass'y (NAAF-8779).

<Note>

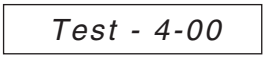
No load. No input.

[Procedure]

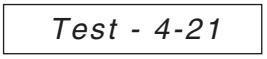
1. Press and hold down CD button, then press STANDBY/ON button while the unit is powered on.
   " *Test - _* " is displayed only for 5 seconds.



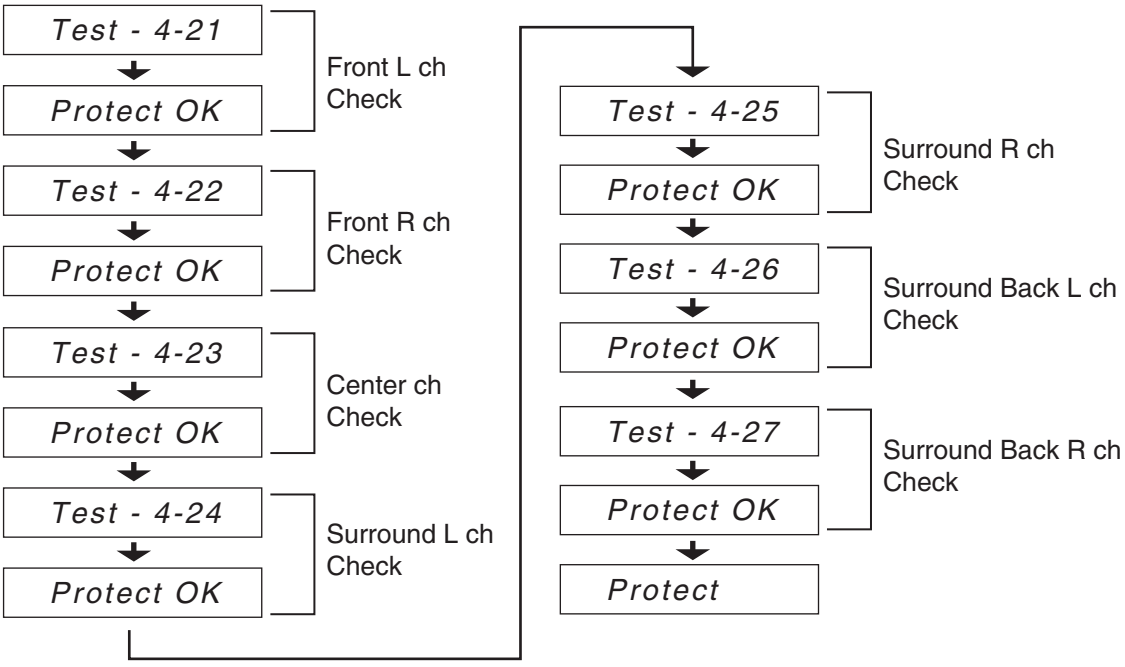
2. Press AUX button while the characters of " Test - _ " are displayed.
   The unit will be in the state of " *Test-4-00* ".



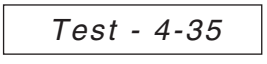
3. Repeatedly press + (TONE) button until the characters of " *Test-4-21* " are displayed.



Check whether the operation starts and continues automatically as follows.



If all channels are OK, the characters of " *Test-4-35* " are displayed.



4. Press STANDBY/ON button.

OPERATION CHECK-2

SPEAKER PROTECT-2 (CURRENT DETECTION)

[When]

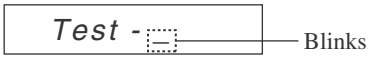
1. Exchange power transistors (Q6050 - Q6056, Q6060 - Q6066).
2. Exchange amplifier PC board ass'y (NAAF-8779).

<Note>

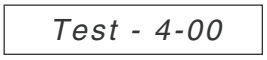
1. No input.
2. Do not check two or more channels at the same time.
3. Do not connect a dummy load to speaker terminal longer than 2 seconds.

[Procedure]

1. Press and hold down CD button, then press STANDBY/ON button while the unit is powered on.
   " Test - _ " is displayed only for 5 seconds.



2. Press AUX button, while " *Test - _* " is displayed.
   The unit will be in the state of " *Test-4-00* ".

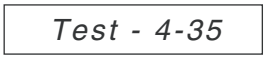


3. Repeatedly press **+** (TONE) button until " *Test-4-35* " is displayed.

4. Connect the dummy load of 3 ohms to the Front L ch speaker terminals.
   At this time, confirm that the speaker relay is not turned off.

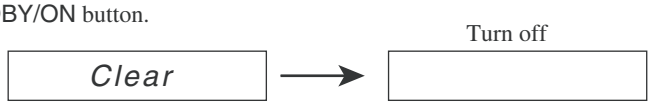
5. Connect the dummy load of 1 ohm to the Front L ch speaker terminals.
   At this time, confirm that the speaker relay is turned off and " *Protect* " is displayed.

   Disconnect the dummy load immediately after checking the display of " *Protect* ".



6. Check other channels according to the same procedure as 4 and 5.

7. Press the STANDBY/ON button.



OPERATION CHECK-3

CONTROL OF POWER SUPPLY (OUTPUT SENSOR AND THERMAL SENSOR)

[When]

1. Exchange power transistors (Q6050 - Q6056, Q6060 - Q6066).
2. Exchange power amplifier PC board ass'y (NAAF-8779).
3. Exchange thermal sensor PC board ass'y (NAETC-8781).

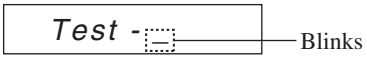
<Note>

No output. No input.

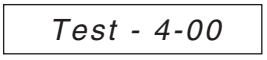
[Procedure]

Output sensor

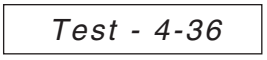
1. Press and hold down CD button, then press STANDBY/ON button while the unit is powered on.
   " *Test - _* " is displayed only for 5 seconds.



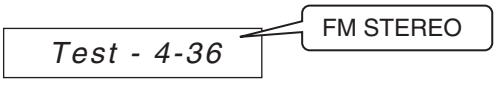
2. Press AUX button while " *Test - _* " is displayed.
   The unit will be in the state of " *Test-4-00* ".



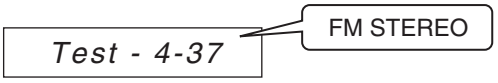
3. Repeatedly press **+** (TONE) button until " *Test-4-36* " is displayed.



4. At this time, confirm that the red characters of " FM STEREO " is displayed.
   And, confirm that the relays RL6901 and RL6902 are turned off in 2 or 3 seconds.



5. Press **+** (TONE) button and confirm that the red characters of " FM STEREO " is displayed.
   And, confirm that the relays RL6901 and RL6902 are turned off in 2 or 3 seconds.

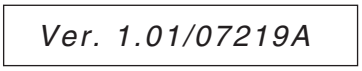


6. Press STANDBY/ON button.

Thermal sensor

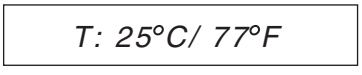
1. Press and hold down DISPLAY button, then press STANDBY/ON button when the unit is powered on.
   The microprocessor version will be displayed for 3 seconds.

<Ex.>



2. Press TONE button while the version is displayed.

<Ex.>



3. Confirm that the displayed temperature is within +/-20 °C from the ambient temperature.

4. Press STANDBY/ON button.

OPERATION CHECK-4

DEBUG MODE-1

The operations of DSP and DIR etc are able to checked by the information displayed on FL in this debug mode.
This information will help to analysing digital audio no sound trouble.

To set in Debug mode

1. Press and hold down DISPLAY button, then press STANDBY/ON button while the unit is powered on.
   The version number of microprocessor is displayed only for 3 seconds.

<Ex.> `Ver. 101/07219A`

2. Press + (TONE) button within 3 seconds above, the version number of DSP will be displayed for 5 seconds.

<Ex.> `DSPSR505:07131A`

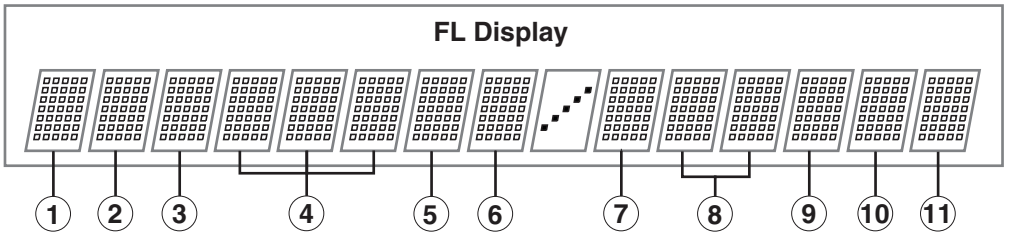
2. Press DISPLAY button while the DSP version is displayed. The status of DSP and DIR etc will be displayed.

<Ex.> `E1A48K0N/OFFPoO`

To exit

Press STANDBY/ON button.

Content of Display



---------- DIR ----------

① **DIR Input**
- E = UNLOCK
- = LOCK

② **Digital Selector**
- 0 = None
- 1 = COAXIAL
- 2 =
- 3 = OPT 1
- 4 = OPT 2
- 5 =
- 6 = OPT 3
- 7 =

③ **DIR Status**
- D = Digital
- A = Analog
- M = Multich
- P = Multich PCM
- p = PCM Fixed
- d = DTS Fixed

④ **Sampling Frequency and Emphasis**
- 32K = 32 kHz without Emphasis
- 44K = 44.1 kHz without Emphasis
- 48K = 48kHz without Emphasis
- 64K = 64 kHz
- 88K = 88.2 kHz
- 96K = 96 kHz
- 176 = 176.4 kHz
- 192 = 192 kHz
- 32e = 32 kHz with Emphasis
- 44e = 44.1 kHz with Emphasis
- 48e = 48 kHz with Emphasis

⑤ **CODEC Clock Mode**
- N = Normal
- U = Up Sampling
- H = High Sampling (Double Rate)
- D = Down Sampling
- Q = Quad Rate

⑥ **DIR Detect Type**
- 0 = Analog
- 1 = PCM
- 2 = Not PCM
- 3 = Data
- 4 = DTS CD (Not used)
- 5 = Multich
- 6 = Not Decided

---------- DSP ----------

⑦ **DSP Port**
- 0 = NIC ——— (Normal state)
- 1 = DEC
- 2 = BUSY (Abnormal state)
- 3 = EXEC WAIT

⑧ **DSP Sequence**
- 04 = Boot
- 11 = Restart
- FF = Free

⑨ **DSP Detect Format**
- P = PCM (Analog)
- D = Dolby Digital
- d = DTS
- A = AAC
- ? = Unknown

⑩ **DSP Decode**
- o = Decode OK
- x = Decode NG

------- Main Microprocessor --------

⑪ **Mute output IC**
- 0 = Selector IC(Q5501)
- 1
- 2 = DSP(Q201)
- 3 = DIR(Q301)

OPERATION CHECK-5

DEBUG MODE-2

Trouble Cause Analysis by Debug Mode

This debug mode will help in analysing digital audio no sound trouble.
Check information on FL display and the related devices or circuits.

Digit No. on FL	Symptom on Display	Cause	Check
①	"E" is displayed	No input signal to DIR	Related devices from digital input to Q301
④	Displayed freq. is different from input signal freq.	No input signal to DIR	Related devices from digital input to Q301
⑥	Displayed format is different from input signal format	No input signal to DIR	Related devices from digital input to Q301
⑧	"04" or "11" do not change to "FF"	ROM or RAM error	Q281, Q282 & related devices
⑨	Displayed format is different from input signal format	Input signal to DSP is no good	Related devices from Q301 to Q201
⑩	"x" is displayed	Interface between DSP and Microprocessor is no good	Related devices from Q701 to Q201
⑪	This identifies IC which outputs error	The IC outputs error to main microprocessor	Q5501, Q201, Q301 & related devices

ADJUSTMENT PROCEDURE-1
IDLING CURRENT ADJUSTMENT

[When]

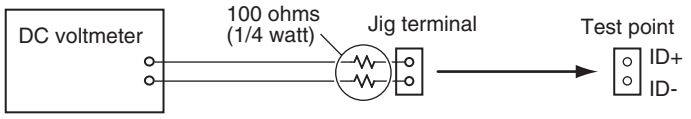
1. Exchange Power transistor (Q6050 - Q6056, Q6060 - Q6066).
2. Amplifier PC board (NAAF-8779).

[Procedure]

<Note> No load and No signal

Refer to " ADJUSTMENT PROCEDURE-2 " for the adjustment points and the test points.

1. Before idling adjustment, turn the trimming resistors fully to counter clockwise.
2. Connect the dc voltmeter to test points,
   using two 100 ohm resistors between the poles of the jig terminal and the dc voltmeter terminals.



3. Connect the ac power cord to a wall outlet.
4. Press STANDBY/ON button to turn the power on.
5. Adjust the trimming resistors as the following procedure immediately after power on.

Channel	Mark	Adjustment point (Trimming resistor)	Measuring point (Test point)	Adjustment value
Center	C	R6040	P6080	2.5 mV
Front Left	L	R6041	P6081	2.5 mV
Front Right	R	R6042	P6082	2.5 mV
Surround Left	SL	R6043	P6083	1.5 mV
Surround Right	SR	R6044	P6084	1.5 mV
Surround Back Left	SBL	R6045	P6085	1.5 mV
Surround Back Right	SBR	R6046	P6086	1.5 mV

6. Wait for 4 - 6 minutes. (Heat running)
7. Re-adjust the trimming resistors as the following procedure.

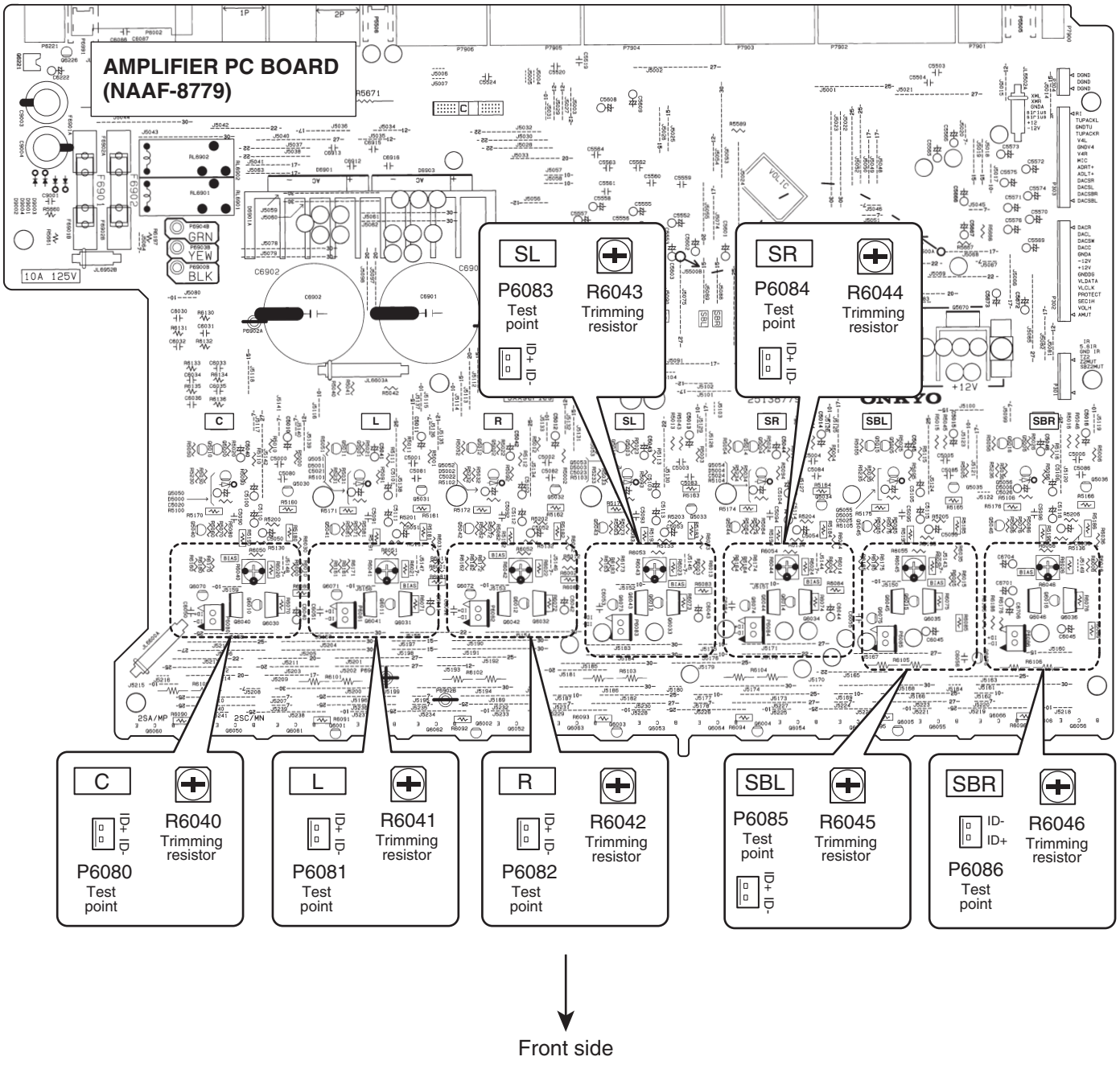
Channel	Adjustment point	Measured value → Adjustment value	Specifications (∗In a stable state)
Front Left, Front Right and Center	R6041, R6042 and R6040	In below 9 mV → 9 mV In case 9 - 11 mV → Leave it as it is In case over 11 mV → 11 mV	12 +/- 3 mV
Surround Left Surround Right Surround Back Left Surround Back Right	R6043, R6044, R6045 and R6046	In case below 6 mV → 6 mV In case 6 - 8 mV → Leave it as it is In case over 8 mV → 8 mV	9 +/- 3 mV

∗ Idling currents are stabilized in about 10 minutes after power on.

8. Disconnect the dc voltmeter.
9. Press STANDBY/ON button to turn the power off.
10. Disconnect the ac power cord.

ADJUSTMENT PROCEDURE-2
IDLING CURRENT ADJUSTMENT

Adjustment points and the test points.



HT-R550

<Note>
Parts marked by "**NSP**" are generally unavailable because they are not in our Master Spare Parts List.

NOTE : THE COMPONENTS IDENTIFIED BY THE MARK ! ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

<Notes>
(B) : Black model
(S) : Silver model
<MDD> : USA model
<MDC> : Canadian model
<MPA> : Australian model

EXPLODED VIEW PARTS LIST

	REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
EV	A001	F BRACKET	BLACK	1	27111470B	(B)
EV	A001	F BRACKET	SILVER	1	27111471B	(S)
EV	A002	SCREW	3TTB+8B(3CM)SR	5	801637	
EV	A003	B PLATE	---	1	28133425	(B)
EV	A003	B PLATE	---	1	28133426	(S)
EV	A011	SCREW	3TTB+8B(3CM)SR	7	801637	
EV	A012	SCREW	3TTB+8B(3CM)SR	2	801637	
EV	A013	WIRE TIE	BSK-1	7	260208	
EV	A016	SCREW	3TTB+8B(3CM)SR	1	801637	
EV	A017	WIRE TIE	BINDER(CLAMPER)UL	2	260258	
EV	A018	HOLDER	KGLS-22S	1	27190369	
EV	A020	HOLDER	KGLS-16RT	2	27190511	
EV	A021	HOLDER	KGPS-16RF	4	27190991	
EV	A022	HOLDER	KGLS-10RT	1	27190428A	
EV	A027	HOLDER	HOLDER KGLS-18S	1	27190470	
EV	A028	CLIP	CS-1U	1	27255004	
EV	A029	SCREW	3TTB+8B(3CM)SR	1	801637	
EV	A030	SCREW	4TTC+8C(3BC)	4	830440089GR	
EV	A031	SPACER	---	1	27270439	
EV	A033	LABEL	(PT)	1	29363379-1	
EV	A037	BUSHING	S-RELIEF #2271	1	27300750	!
EV	A039	TAPE	TAPE(CLOTH-16U)	(1)	29110083	
EV	A040	HEAT SINK	(AS)	1	27160602A	
EV	A041	BRACKET	(HT-L)	1	27131016A	
EV	A042	BRACKET	(HT-R)	1	27131017A	
EV	A043	SCREW	3TTB+8B(3CM)SR	4	801637	
EV	A044	SCREW	3TTB+8B(3CM)SR	4	801637	
EV	A045	SPACER	T0.5 X 8 X 3.5	2	27270463	
EV	A046	SCREW	3TTB+8B(3CM)SR	2	801637	
EV	A047	SCREW	3TTB+8B(3CM)SR	2	801637	
EV	A048	SCREW	3TTB+8B(3CM)SR	1	801637	
EV	A049	SCREW	3SMS8W.SW+14B(CU)	14	801634	
EV	A050	IB CUSHION	W15 X 3t TAPE	1	28141585	
EV	A052	SCREW	3TTB+8B(3CM)SR	1	801637	

EV	A055	KNOB	(VOL) BLACK	1	28326514	(B)
EV	A055	KNOB	(VOL) SILVER	1	28326515	(S)
EV	A056	KNOB	(SETUP) BLACK	1	28326517B	(B)
EV	A056	KNOB	(SETUP) SILVER	1	28326518B	(S)
EV	A057	SPRING	---	1	27180596	
EV	A060	COVER	(B)	1	28184961	(B)
EV	A060	COVER	(S)	1	28184962	(S)
EV	A061	SCREW	3TTB+8B(3BC)	6	838430088GR	(B)
EV	A061	SCREW	3TTB+8B(3CM)SR	6	801637	(S)
EV	A062	CUSHION	---	1	28141681	
EV	A065	BOTTOM LEG	---	4	27175432B	
EV	A066	CUSHION	---	4	28141664	
EV	A068	SCREW	3TTB+8B(3CM)SR	4	801637	
EV	A069	CUSHION	---	1	28141687	
EV	A071	CUSHION	---	1	28141688	
EV	A072	CHASSIS	TXSR505/605	1	---	NSP
EV	A073	F PANEL	HTR550BMDD/MDC	1	27212974	(B) <MDD>
EV	A073	F PANEL	HTR550BMDD/MDC	1	27212974	(B) <MDC>
EV	A073	F PANEL	HTSR800BMPA	1	27212975	(B) <MPA>
EV	A073	F PANEL	HTR550SMDC	1	27212976	(S) <MDC>
EV	A073	F PANEL	HTR550SMPA	1	27212977	(S) <MPA>
EV	A075	SPACER	SPACER 8 x 3 x 0.188	2	27270147	
EV	A077	BADGE	---	1	28135244	(B)
EV	A077	BADGE	---	1	28135298	(S)
EV	A083	CLEAR PLT	---	1	28192161A	(B) <MDD>
EV	A083	CLEAR PLT	---	1	28192161A	(B) <MDC>
EV	A083	CLEAR PLT	---	1	28192158A	(B) <MPA>
EV	A083	CLEAR PLT	---	1	28192165A	(S) <MDC>
EV	A083	CLEAR PLT	---	1	28192162A	(S) <MPA>
EV	A089	SCREW	3TTB+8B(3BC)	3	838430088GR	
EV	A093	REAR PANEL	HTR550MDD/MDC	1	27123678C	<MDD>
EV	A093	REAR PANEL	HTR550MDD/MDC	1	27123678C	<MDC>
EV	A093	REAR PANEL	HTR550MPA	1	27123679A	<MPA>
EV	A097	SCREW	3TTB+8B(3BC)	37	838430088GR	
EV	A098	SCREW	3P+6FN(3BC)	1	82143006GR	<MDD>
EV	A098	SCREW	3P+6FN(3BC)	1	82143006GR	<MDC>
EV	A102	LABEL	(COVER)	1	29364123	
EV	A109	LABEL	HOOKUP-ONKYO	1	29363194	<MDD>
EV	A109	LABEL	HOOKUP-ONKYO	1	29363194	<MDC>
EV	Q6050	TR	2SC5242-O	1	2202843	!
EV	Q6050 or	TR	2SC5242-R	(1)	2202842	!
EV	Q6050A	ISO SHEET	AC238	2	223024	
EV	Q6050B	ISO SHEET	ISO SHEET	6	223041	
EV	Q6051	TR	2SC5242-O	1	2202843	!
EV	Q6051 or	TR	2SC5242-R	(1)	2202842	!
EV	Q6052	TR	2SC5242-O	1	2202843	!
EV	Q6052 or	TR	2SC5242-R	(1)	2202842	!
EV	Q6053	TR	2SC5242-O	1	2202843	!
EV	Q6053 or	TR	2SC5242-R	(1)	2202842	!
EV	Q6054	TR	2SC5242-O	1	2202843	!
EV	Q6054 or	TR	2SC5242-R	(1)	2202842	!

EV	Q6055	TR	2SC5242-O	1	2202843	!
EV	Q6055 or	TR	2SC5242-R	(1)	2202842	!
EV	Q6056	TR	2SC5242-O	1	2202843	!
EV	Q6056 or	TR	2SC5242-R	(1)	2202842	!
EV	Q6060	TR	2SA1962-O	1	2202833	!
EV	Q6060 or	TR	2SA1962-R	(1)	2202832	!
EV	Q6061	TR	2SA1962-O	1	2202833	!
EV	Q6061 or	TR	2SA1962-R	(1)	2202832	!
EV	Q6062	TR	2SA1962-O	1	2202833	!
EV	Q6062 or	TR	2SA1962-R	(1)	2202832	!
EV	Q6063	TR	2SA1962-O	1	2202833	!
EV	Q6063 or	TR	2SA1962-R	(1)	2202832	!
EV	Q6064	TR	2SA1962-O	1	2202833	!
EV	Q6064 or	TR	2SA1962-R	(1)	2202832	!
EV	Q6065	TR	2SA1962-O	1	2202833	!
EV	Q6065 or	TR	2SA1962-R	(1)	2202832	!
EV	Q6066	TR	2SA1962-O	1	2202833	!
EV	Q6066 or	TR	2SA1962-R	(1)	2202832	!
EV	**<Note>**					
EV	Must use the same HFE rank mutually about the following parts.					
EV	Ref. No. : Q6050 - 6060, Q6051 - 6061, Q6052 -6062, Q6053 - 6063, Q6054 - 6064, Q6055 - 6055, Q6056 - 6066					
EV	T901	P TRANS	NPT-1517D	1	2301803	!, <MDD>
EV	T901	P TRANS	NPT-1517D	1	2301803	!, <MDC>
EV	T901	P TRANS	NPT-1517P	1	2301804	!, <MPA>
EV	F6901	FUSE	10A-UL/T-233	1	252330GR	!
EV	F6901 or	FUSE	10A-T/UL-ST2	(1)	252333GR	!
EV	F6902	FUSE	10A-UL/T-233	1	252330GR	!
EV	F6902 or	FUSE	10A-T/UL-ST2	(1)	252333GR	!
EV	F901	FUSE	8A-UL/T-233	1	252329GR	!, <MDC>
EV	F901 or	FUSE	8A-T/UL-ST2	(1)	252261GR	!, <MDC>
EV	F901	FUSE	8A-UL/T-233	1	252329GR	!, <MDD>
EV	F901 or	FUSE	8A-T/UL-ST2	(1)	252261GR	!, <MDD>
EV	F901	FUSE	4A-SE-EAK FUSE	1	252077GR	!, <MPA>
EV	F901 or	FUSE	4A-SE-TL250V	(1)	252277GR	!, <MPA>
EV	F901C	LABEL	T4AL250V	1	29361732A	!, <MPA>
EV	P101	FFC	NCFC7-131012	1	2047131012	
EV	P6601A	P RIVET	JB-407A-C	14	880052	<MPA>
EV	P701	FFC	NCFC3-32026	1	204332026	
EV	P901	AC CORD	AS-UC-2	1	253333VOL	!, <MDD>
EV	P901 or	AC CORD	AS-UC-2	(1)	253368LTK	!, <MDD>
EV	P901 or	AC CORD	AS-UC-2	(1)	253368YUN	!, <MDD>
EV	P901 or	AC CORD	AS-UC-2	(1)	253368HSN	!, <MDD>
EV	P901	AC CORD	AS-UC-2	1	253333VOL	!, <MDC>
EV	P901 or	AC CORD	AS-UC-2	(1)	253368LTK	!, <MDC>
EV	P901 or	AC CORD	AS-UC-2	(1)	253368YUN	!, <MDC>
EV	P901 or	AC CORD	AS-UC-2	(1)	253368HSN	!, <MDC>
EV	P901	AC CORD	AS-SAA	1	253388LTK	!, <MPA>
EV	P901 or	AC CORD	AS-SAA	(1)	253388LON	!, <MPA>
EV	U01	AMPLIFIER PC board ass'y	NAAF-8779-2C	1	1B176579-2C	<MDD>
EV	U01		NAAF-8779-2C	1	1B176579-2C	<MDC>
EV	U01		NAAF-8779-2L	1	1B176579-2L	<MPA>

EV	U02	TRANS. SEC. TERMINAL PC board ass'y	NAPS-8780-2C	1	1B176580-2C	<MDD>
EV	U02		NAPS-8780-2C	1	1B176580-2C	<MDC>
EV	U02		NAPS-8780-2L	1	1B176580-2L	<MPA>
EV	U03	THERMAL SENSOR PC board ass'y	NAETC-8781-2C	1	---	NSP
EV	U04	HOLDER PC board	NAETC-8782-2C	1	---	NSP
EV	U05	DISPLAY PC board ass'y	NADIS-9148-1A	1	1B176548-1A	<MDD>
EV	U05		NADIS-9148-1A	1	1B176548-1A	<MDC>
EV	U05		NADIS-9148-1G	1	1B176548-1G	<MPA>
EV	U06	SWITCH PC board ass'y	NADIS-9149-1A	1	1B176549-1A	<MDD>
EV	U06		NADIS-9149-1A	1	1B176549-1A	<MDC>
EV	U06		NADIS-9149-1G	1	1B176549-1G	<MPA>
EV	U07	POWER SUPPLY PC board ass'y	NAPS-9150-1A	1	1B176550-1A	<MDD>
EV	U07		NAPS-9150-1A	1	1B176550-1A	<MDC>
EV	U07		NAPS-9150-1G	1	1B176550-1G	<MPA>
EV	U08	TRANS. SEC. TERMINAL PC board ass'y	NAPS-9151-1A	1	1B176551-1A	<MDD>
EV	U08		NAPS-9151-1A	1	1B176551-1A	<MDC>
EV	U08		NAPS-9151-1G	1	1B176551-1G	<MPA>
EV	U09	HEADPHONE JACK PC board ass'y	NAETC-9153-1A	1	---	NSP
EV	U10	HOLDER PC board	NAETC-9159-1A	1	---	NSP
EV	U11	DSP PC board ass'y	NADG-9177-1F	1	1B176577-1F	<MDD>
EV	U11		NADG-9177-1F	1	1B176577-1F	<MDC>
EV	U11		NADG-9177-1G	1	1B176577-1G	<MPA>
EV	U12	VIDEO & SPEAKER TERMINAL PC board ass'y	NAVD-9178-1F	1	1B176578-1F	<MDD>
EV	U12		NAVD-9178-1F	1	1B176578-1F	<MDC>
EV	U12		NAVD-9178-1G	1	1B176578-1G	<MPA>
EV	U13	XM DIGITAL TRANSCEIVER PC board ass'y	NADG-9179-1F	1	1B176579-1F	<MDD>
EV	U13	XM DIGITAL TRANSCEIVER PC board ass'y	NADG-9179-1F	1	1B176579-1F	<MDC>
EV	U14	HDMI PC board ass'y	NAHDM-9199-1B	1	1B176599-1B	
EV	U15	TUNER UNIT	ENG06507QFUS	1	240156	<MDC>
EV	U15 or	TUNER UNIT	FAE385-A11US	(1)	240152	<MDC>
EV	U15	TUNER UNIT	ENG06507QFUS	1	240156	<MDD>
EV	U15 or	TUNER UNIT	FAE385-A11US	(1)	240152	<MDD>
EV	U15	TUNER UNIT	ENG07506QFEX	1	240159	<MPA>
EV	U15 or	TUNER UNIT	FAE485-E12EX	(1)	240155	<MPA>

HT-R550

PC BOARD PARTS LIST

PCB1 **U01** AMPLIFIER PC BOARD (NAAF-8779-2C / 2L)
PCB1 **U02** TRANS. SEC. TERMINAL PC BOARD (NAPS-8780-2C / 2L)
PCB1 **U03** THERMAL SENSOR PC BOARD (NAETC-8781-2C / 2L)
PCB1

PCB1	CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
PCB1	Q5000	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5001	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5002	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5003	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5004	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5005	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5006	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5010	TR	2SC2240-BL(TPE2_F)	1	2211406T	

PCB1	Q5011	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5012	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5013	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5014	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5015	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5016	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5030	TR	2SA949-Y(TPE6_F)	1	2211354T	
PCB1	Q5031	TR	2SA949-Y(TPE6_F)	1	2211354T	
PCB1	Q5032	TR	2SA949-Y(TPE6_F)	1	2211354T	
PCB1	Q5033	TR	2SA949-Y(TPE6_F)	1	2211354T	
PCB1	Q5034	TR	2SA949-Y(TPE6_F)	1	2211354T	
PCB1	Q5035	TR	2SA949-Y(TPE6_F)	1	2211354T	
PCB1	Q5036	TR	2SA949-Y(TPE6_F)	1	2211354T	
PCB1	Q5040	TR	2SC2229-Y(TPE6_F)	1	2211634T	
PCB1	Q5041	TR	2SC2229-Y(TPE6_F)	1	2211634T	
PCB1	Q5042	TR	2SC2229-Y(TPE6_F)	1	2211634T	
PCB1	Q5043	TR	2SC2229-Y(TPE6_F)	1	2211634T	
PCB1	Q5044	TR	2SC2229-Y(TPE6_F)	1	2211634T	
PCB1	Q5045	TR	2SC2229-Y(TPE6_F)	1	2211634T	
PCB1	Q5046	TR	2SC2229-Y(TPE6_F)	1	2211634T	
PCB1	Q5050	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5050 or	TR	2SC2240-GR	(1)	2211405T	
PCB1	Q5051	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5051 or	TR	2SC2240-GR	(1)	2211405T	
PCB1	Q5052	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5052 or	TR	2SC2240-GR	(1)	2211405T	
PCB1	Q5053	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5053 or	TR	2SC2240-GR	(1)	2211405T	
PCB1	Q5054	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5054 or	TR	2SC2240-GR	(1)	2211405T	
PCB1	Q5055	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5055 or	TR	2SC2240-GR	(1)	2211405T	
PCB1	Q5056	TR	2SC2240-BL(TPE2_F)	1	2211406T	
PCB1	Q5056 or	TR	2SC2240-GR	(1)	2211405T	
PCB1	Q5501	IC	R2S15211FP	1	22242297R3	
PCB1	Q5503	IC	NJM4580M-D	1	22241448R2	
PCB1	Q5600	TR	RN1441	1	2215410R2	
PCB1	Q5601	TR	RN1441	1	2215410R2	
PCB1	Q5602	TR	RN1441	1	2215410R2	
PCB1	Q5603	TR	RN1441	1	2215410R2	
PCB1	Q5604	TR	RN1441	1	2215410R2	
PCB1	Q5605	TR	RN1441	1	2215410R2	
PCB1	Q5606	TR	RN1441	1	2215410R2	
PCB1	Q5607	TR	RN1441	1	2215410R2	
PCB1	Q5610	TR	RN1441	1	2215410R2	
PCB1	Q5630	IC	NJM4580M-D	1	22241448R2	
PCB1	Q5670	IC	78M12HF(NJM78M12FA)	1	222780125JRC	
PCB1	Q5670 or	IC	MPC78M12AHF-AZ	(1)	222780125NEC	
PCB1	Q5670 or	IC	78M12(AN78M12F)	(1)	222780125MAT	
PCB1	Q5670A	HEAT-SINK	HEAT-SINK(RAD-68)	1	27160211	
PCB1	Q5670B	SCREW	3P+10FN(3BC)	1	82143010GR	

PCB1	Q5671	IC	79M12HF(NJM79M12FA)	1	222790125JRC
PCB1	Q5671 or	IC	79M12HF(MPC79M12HF)	(1)	222790125NEC
PCB1	Q5671 or	IC	79M12F(AN79M12F)	(1)	222790125MAT
PCB1	Q5671A	HEAT-SINK	HEAT-SINK(RAD-68)	1	27160211
PCB1	Q5671B	SCREW	3P+10FN(3BC)	1	82143010GR
PCB1	Q6000	TR	2SC1740S-S	1	2213285T
PCB1	Q6001	TR	2SC1740S-S	1	2213285T
PCB1	Q6002	TR	2SC1740S-S	1	2213285T
PCB1	Q6003	TR	2SC1740S-S	1	2213285T
PCB1	Q6004	TR	2SC1740S-S	1	2213285T
PCB1	Q6005	TR	2SC1740S-S	1	2213285T
PCB1	Q6006	TR	2SC1740S-S	1	2213285T
PCB1	Q6010	TR	2SC1740S-S	1	2213285T
PCB1	Q6011	TR	2SC1740S-S	1	2213285T
PCB1	Q6012	TR	2SC1740S-S	1	2213285T
PCB1	Q6013	TR	2SC1740S-S	1	2213285T
PCB1	Q6014	TR	2SC1740S-S	1	2213285T
PCB1	Q6015	TR	2SC1740S-S	1	2213285T
PCB1	Q6016	TR	2SC1740S-S	1	2213285T
PCB1	Q6030	TR	2SC5171(ONK_Q)	1	2203010
PCB1	Q6030 or	TR	2SC5993-Q_P	(1)	2217161
PCB1	Q6031	TR	2SC5171(ONK_Q)	1	2203010
PCB1	Q6031 or	TR	2SC5993-Q_P	(1)	2217161
PCB1	Q6032	TR	2SC5171(ONK_Q)	1	2203010
PCB1	Q6032 or	TR	2SC5993-Q_P	(1)	2217161
PCB1	Q6033	TR	2SC5171(ONK_Q)	1	2203010
PCB1	Q6033 or	TR	KTD2061-Y	(1)	2203434
PCB1	Q6034	TR	2SC5171(ONK_Q)	1	2203010
PCB1	Q6034 or	TR	KTD2061-Y	(1)	2203434
PCB1	Q6035	TR	2SC5171(ONK_Q)	1	2203010
PCB1	Q6035 or	TR	KTD2061-Y	(1)	2203434
PCB1	Q6036	TR	2SC5171(ONK_Q)	1	2203010
PCB1	Q6036 or	TR	KTD2061-Y	(1)	2203434
PCB1	Q6040	TR	2SA1930(ONK_Q)	1	2203000
PCB1	Q6040 or	TR	2SA2140-Q_P	(1)	2217151
PCB1	Q6041	TR	2SA1930(ONK_Q)	1	2203000
PCB1	Q6041 or	TR	2SA2140-Q_P	(1)	2217151
PCB1	Q6042	TR	2SA1930(ONK_Q)	1	2203000
PCB1	Q6042 or	TR	2SA2140-Q_P	(1)	2217151
PCB1	Q6043	TR	2SA1930(ONK_Q)	1	2203000
PCB1	Q6043 or	TR	KTB1369-Y	(1)	2203424
PCB1	Q6044	TR	2SA1930(ONK_Q)	1	2203000
PCB1	Q6044 or	TR	KTB1369-Y	(1)	2203424
PCB1	Q6045	TR	2SA1930(ONK_Q)	1	2203000
PCB1	Q6045 or	TR	KTB1369-Y	(1)	2203424
PCB1	Q6046	TR	2SA1930(ONK_Q)	1	2203000
PCB1	Q6046 or	TR	KTB1369-Y	(1)	2203424
PCB1	Q6070	TR	2SC2240-BL(TPE2_F)	1	2211406T
PCB1	Q6070 or	TR	2SC2240-GR	(1)	2211405T
PCB1	Q6071	TR	2SC2240-BL(TPE2_F)	1	2211406T
PCB1	Q6071 or	TR	2SC2240-GR	(1)	2211405T

PCB1	Q6072	TR	2SC2240-BL(TPE2_F)	1	2211406T
PCB1	Q6072 or	TR	2SC2240-GR	(1)	2211405T
PCB1	Q6073	TR	2SC2240-BL(TPE2_F)	1	2211406T
PCB1	Q6073 or	TR	2SC2240-GR	(1)	2211405T
PCB1	Q6074	TR	2SC2240-BL(TPE2_F)	1	2211406T
PCB1	Q6074 or	TR	2SC2240-GR	(1)	2211405T
PCB1	Q6075	TR	2SC2240-BL(TPE2_F)	1	2211406T
PCB1	Q6075 or	TR	2SC2240-GR	(1)	2211405T
PCB1	Q6076	TR	2SC2240-BL(TPE2_F)	1	2211406T
PCB1	Q6076 or	TR	2SC2240-GR	(1)	2211405T
PCB1	Q6380	IC	LM61CIZ	1	22242212
PCB1	Q6380A	RETAINER	(PTH)	1	27141884-1
PCB1	Q6701	TR	2SC2712-GR	1	2213145R2
PCB1	Q6701 or	TR	KTC3875-GR	(1)	2216175R2
PCB1	Q6702	TR	2SC2712-GR	1	2213145R2
PCB1	Q6702 or	TR	KTC3875-GR	(1)	2216175R2
PCB1	Q6703	TR	2SA1163-BL(TE85L_F)	1	2216756R2
PCB1	Q6707	TR	2SC2712-GR	1	2213145R2
PCB1	Q6707 or	TR	KTC3875-GR	(1)	2216175R2
PCB1	D5000	ZENER D	MTZJ5.6B	1	224470562T
PCB1	D5001	ZENER D	MTZJ5.6B	1	224470562T
PCB1	D5002	ZENER D	MTZJ5.6B	1	224470562T
PCB1	D5003	ZENER D	MTZJ5.6B	1	224470562T
PCB1	D5004	ZENER D	MTZJ5.6B	1	224470562T
PCB1	D5005	ZENER D	MTZJ5.6B	1	224470562T
PCB1	D5005	ZENER D	MTZJ5.6B	1	
PCB1	D5006	ZENER D	MTZJ5.6B	1	224470562T
PCB1	D5671	ZENER D	MTZJ6.2C	1	224470623T
PCB1	D5672	ZENER D	MTZJ6.2C	1	224470623T
PCB1	D5673	DIODE	1SS133	1	223163T
PCB1	D5674	DIODE	1SS133	1	223163T
PCB1	D5704	C-DIODE	1SS352	1	223234R2
PCB1	D5704 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D5704 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D5705	C-DIODE	1SS352	1	223234R2
PCB1	D5705 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D5705 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D5706	C-DIODE	1SS352	1	223234R2
PCB1	D5706 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D5706 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D5708	C-DIODE	1SS352	1	223234R2
PCB1	D5708 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D5708 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D5714	C-DIODE	1SS352	1	223234R2
PCB1	D5714 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D5714 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D5715	C-DIODE	1SS352	1	223234R2
PCB1	D5715 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D5715 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D5716	C-DIODE	1SS352	1	223234R2
PCB1	D5716 or	C-DIODE	KDS4148U	(1)	223283R2

PCB1	D5716 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D5718	C-DIODE	1SS352	1	223234R2
PCB1	D5718 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D5718 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6000	C-DIODE	1SS352	1	223234R2
PCB1	D6000 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6000 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6001	C-DIODE	1SS352	1	223234R2
PCB1	D6001 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6001 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6002	C-DIODE	1SS352	1	223234R2
PCB1	D6002 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6002 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6003	C-DIODE	1SS352	1	223234R2
PCB1	D6003 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6003 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6004	C-DIODE	1SS352	1	223234R2
PCB1	D6004 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6004 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6005	C-DIODE	1SS352	1	223234R2
PCB1	D6005 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6005 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6006	C-DIODE	1SS352	1	223234R2
PCB1	D6006 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6006 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6010	C-DIODE	1SS352	1	223234R2
PCB1	D6010 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6010 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6011	C-DIODE	1SS352	1	223234R2
PCB1	D6011 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6011 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6012	C-DIODE	1SS352	1	223234R2
PCB1	D6012 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6012 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6013	C-DIODE	1SS352	1	223234R2
PCB1	D6013 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6013 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6014	C-DIODE	1SS352	1	223234R2
PCB1	D6014 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6014 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6015	C-DIODE	1SS352	1	223234R2
PCB1	D6015 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6015 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6016	C-DIODE	1SS352	1	223234R2
PCB1	D6016 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6016 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6701	C-DIODE	1SS352	1	223234R2
PCB1	D6701 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6701 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6702	C-DIODE	1SS352	1	223234R2
PCB1	D6702 or	C-DIODE	KDS4148U	(1)	223283R2

PCB1	D6702 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6703	ZENER D	UDZS5.1B	1	224550510R2
PCB1	D6704	ZENER D	UDZS5.1B	1	224550510R2
PCB1	D6901	DIODE	D10XB60H	1	22380337
PCB1	D6901A	HEAT SINK	RAD-196	1	27160545
PCB1	D6901C	SCREW	3P+10FN(3BC)	2	82143010GR
PCB1	D6902	C-DIODE	1SS352	1	223234R2
PCB1	D6902 or	C-DIODE	KDS4148U	(1)	223283R2
PCB1	D6902 or	C-DIODE	1SS355	(1)	223269R2
PCB1	D6903	DIODE	D10XB60H	1	22380337
PCB1	D9001	DIODE	RL1N4003	1	22380260T
PCB1	D9001 or	DIODE	GP104003E	(1)	22380035T
PCB1	D9002	DIODE	RL1N4003	1	22380260T
PCB1	D9002 or	DIODE	GP104003E	(1)	22380035T
PCB1	D9003	DIODE	RL1N4003	1	22380260T
PCB1	D9003 or	DIODE	GP104003E	(1)	22380035T
PCB1	D9004	DIODE	RL1N4003	1	22380260T
PCB1	D9004 or	DIODE	GP104003E	(1)	22380035T
PCB1	A045a	SPACER	SPACER 8X3X0.188	2	27270147
PCB1	C5000	TF C	ECQ-B50V-221K	1	374722215T
PCB1	C5001	TF C	ECQ-B50V-221K	1	374722215T
PCB1	C5002	TF C	ECQ-B50V-221K	1	374722215T
PCB1	C5003	TF C	ECQ-B50V-221K	1	374722215T
PCB1	C5004	TF C	ECQ-B50V-221K	1	374722215T
PCB1	C5005	TF C	ECQ-B50V-221K	1	374722215T
PCB1	C5006	TF C	ECQ-B50V-221K	1	374722215T
PCB1	C5010	UTSP C	CE04W50V 47M(UTSP)	1	397584707T
PCB1	C5011	UTSP C	CE04W50V 47M(UTSP)	1	397584707T
PCB1	C5012	UTSP C	CE04W50V 47M(UTSP)	1	397584707T
PCB1	C5013	UTSP C	CE04W50V 47M(UTSP)	1	397584707T
PCB1	C5014	UTSP C	CE04W50V 47M(UTSP)	1	397584707T
PCB1	C5015	UTSP C	CE04W50V 47M(UTSP)	1	397584707T
PCB1	C5016	UTSP C	CE04W50V 47M(UTSP)	1	397584707T
PCB1	C5020	UTSP C	CE04W50V-10M(UTSP)	1	397581007T
PCB1	C5021	UTSP C	CE04W50V-10M(UTSP)	1	397581007T
PCB1	C5022	UTSP C	CE04W50V-10M(UTSP)	1	397581007T
PCB1	C5023	UTSP C	CE04W50V-10M(UTSP)	1	397581007T
PCB1	C5024	UTSP C	CE04W50V-10M(UTSP)	1	397581007T
PCB1	C5025	UTSP C	CE04W50V-10M(UTSP)	1	397581007T
PCB1	C5026	UTSP C	CE04W50V-10M(UTSP)	1	397581007T
PCB1	C5040	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
PCB1	C5041	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
PCB1	C5042	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
PCB1	C5043	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
PCB1	C5044	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
PCB1	C5045	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
PCB1	C5046	UTSP C	CE04W25V-220M(UTSP)	1	397552217T
PCB1	C5050	UTSP C	CE04W50V 47M(UTSP)	1	397584707T
PCB1	C5051	UTSP C	CE04W50V 47M(UTSP)	1	397584707T
PCB1	C5052	UTSP C	CE04W50V 47M(UTSP)	1	397584707T
PCB1	C5053	UTSP C	CE04W50V 47M(UTSP)	1	397584707T

PCB1	C5054	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5055	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5056	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5080	CERA C	CC45SL50V-040D	1	345020402T	
PCB1	C5081	CERA C	CC45SL50V-040D	1	345020402T	
PCB1	C5082	CERA C	CC45SL50V-040D	1	345020402T	
PCB1	C5083	CERA C	CC45SL50V-040D	1	345020402T	
PCB1	C5084	CERA C	CC45SL50V-040D	1	345020402T	
PCB1	C5085	CERA C	CC45SL50V-040D	1	345020402T	
PCB1	C5086	CERA C	CC45SL50V-040D	1	345020402T	
PCB1	C5090	TF C	ECQ-B50V-101K	1	374721015T	
PCB1	C5091	TF C	ECQ-B50V-101K	1	374721015T	
PCB1	C5092	TF C	ECQ-B50V-101K	1	374721015T	
PCB1	C5093	TF C	ECQ-B50V-101K	1	374721015T	
PCB1	C5094	TF C	ECQ-B50V-101K	1	374721015T	
PCB1	C5095	TF C	ECQ-B50V-101K	1	374721015T	
PCB1	C5096	TF C	ECQ-B50V-101K	1	374721015T	
PCB1	C5100	VR C	CE04W100V-22M(VR)	1	394692207T	
PCB1	C5101	VR C	CE04W100V-22M(VR)	1	394692207T	
PCB1	C5102	VR C	CE04W100V-22M(VR)	1	394692207T	
PCB1	C5103	VR C	CE04W100V-22M(VR)	1	394692207T	
PCB1	C5104	VR C	CE04W100V-22M(VR)	1	394692207T	
PCB1	C5105	VR C	CE04W100V-22M(VR)	1	394692207T	
PCB1	C5106	VR C	CE04W100V-22M(VR)	1	394692207T	
PCB1	C5110	VR C	CE04W100V-22M(VR)	1	394692207T	
PCB1	C5111	VR C	CE04W100V-22M(VR)	1	394692207T	
PCB1	C5112	VR C	CE04W100V-22M(VR)	1	394692207T	
PCB1	C5113	VR C	CE04W100V-22M(VR)	1	394692207T	
PCB1	C5114	VR C	CE04W100V-22M(VR)	1	394692207T	
PCB1	C5115	VR C	CE04W100V-22M(VR)	1	394692207T	
PCB1	C5116	VR C	CE04W100V-22M(VR)	1	394692207T	
PCB1	C5503	TF C	ECQ-B50V-221K	1	374722215T	
PCB1	C5504	TF C	ECQ-B50V-221K	1	374722215T	
PCB1	C5507	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5508	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5513	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5514	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5517	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5518	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5519	TF C	ECQ-B50V-221K	1	374722215T	
PCB1	C5520	TF C	ECQ-B50V-221K	1	374722215T	
PCB1	C5521	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5522	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5523	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5524	TF C	ECQ-B50V-221K	1	374722215T	
PCB1	C5525	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5526	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5551	UTSP C	CE04W25V-47M(UTSP)	1	397554707T	
PCB1	C5552	UTSP C	CE04W25V-47M(UTSP)	1	397554707T	
PCB1	C5553	UTSP C	CE04W25V-47M(UTSP)	1	397554707T	
PCB1	C5554	UTSP C	CE04W25V-47M(UTSP)	1	397554707T	

PCB1	C5555	UTSP C	CE04W25V-47M(UTSP)	1	397554707T	
PCB1	C5556	UTSP C	CE04W25V-47M(UTSP)	1	397554707T	
PCB1	C5557	UTSP C	CE04W25V-47M(UTSP)	1	397554707T	
PCB1	C5558	UTSP C	CE04W25V-47M(UTSP)	1	397554707T	
PCB1	C5559	TF C	ECQ-V50V-474J	1	374724744T	
PCB1	C5560	TF C	ECQ-V50V-823J	1	374728234T	
PCB1	C5561	TF C	ECQ-B50V-223J	1	374722234T	
PCB1	C5562	TF C	ECQ-V50V-474J	1	374724744T	
PCB1	C5563	TF C	ECQ-V50V-823J	1	374728234T	
PCB1	C5564	TF C	ECQ-B50V-223J	1	374722234T	
PCB1	C5565	UTSP C	CE04W25V-47M(UTSP)	1	397554707T	
PCB1	C5566	UTSP C	CE04W25V-47M(UTSP)	1	397554707T	
PCB1	C5569	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5570	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5571	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5572	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5573	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5574	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5575	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5576	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5590	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB1	C5591	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB1	C5600	UTSP C	CE04W25V-100M(UTSP)	1	397551017T	
PCB1	C5601	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5602	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5603	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5604	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5605	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5606	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5607	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5630	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C5631	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5632	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C5666	UTSP C	CE04W25V-220M(UTSP)	1	397552217T	
PCB1	C5667	UTSP C	CE04W25V-220M(UTSP)	1	397552217T	
PCB1	C5670	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB1	C5671	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB1	C5672	UTSP C	CE04W25V-220M(UTSP)	1	397552217T	
PCB1	C5673	UTSP C	CE04W25V-220M(UTSP)	1	397552217T	
PCB1	C5674	UTSP C	CE04W16V-470M(UTSP)	1	397544717T	
PCB1	C5675	UTSP C	CE04W16V-470M(UTSP)	1	397544717T	
PCB1	C5704	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5705	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5706	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB1	C5708	C-CERA C	CK725B1H-222K1	1	332102225R1	
PCB1	C6030	TF C	ECQ-V50V-473J	1	374724734T	
PCB1	C6031	TF C	ECQ-V50V-473J	1	374724734T	
PCB1	C6032	TF C	ECQ-V50V-473J	1	374724734T	
PCB1	C6033	TF C	ECQ-V50V-473J	1	374724734T	
PCB1	C6034	TF C	ECQ-V50V-473J	1	374724734T	
PCB1	C6035	TF C	ECQ-V50V-473J	1	374724734T	

PCB1	C6036	TF C	ECQ-V50V-473J	1	374724734T	
PCB1	C6040	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C6041	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C6042	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C6043	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C6044	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C6045	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C6046	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB1	C6050	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6051	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6052	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6053	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6054	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6055	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6056	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6076	TF C	ECQ-B50V-102J	1	374721024T	
PCB1	C6077	TF C	ECQ-B50V-102J	1	374721024T	
PCB1	C6086	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6087	TF C	ECQ-B50V-103J	1	374721034T	
PCB1	C6701	UTSP C	CE04W25V-100M(UTSP)	1	397551017T	
PCB1	C6703	C-CERA C	CK725F1H-104Z1	1	332151040R1	
PCB1	C6704	UTSP C	CE04W50V-1M(UTSP)	1	397580107T	
PCB1	C6706	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB1	C6901	ELECT C	CE69W69V-10000MA	1	3504425	
PCB1	C6901A	IB CUSHION	W15 x 3t TAPE	1	28141585	
PCB1	C6902	ELECT C	CE69W69V-10000MA	1	3504425	
PCB1	C6902A	IB CUSHION	W15 x 3t TAPE	1	28141585	
PCB1	C6911	C-CERA C	CC725CH1H-102J1	1	342101024R1	
PCB1	C6912	TF C	ECQ-V50V-334J	1	374723344T	
PCB1	C6913	TF C	ECQ-V50V-334J	1	374723344T	
PCB1	C6915	TF C	ECQ-V50V-104J	1	374721044T	
PCB1	C6916	TF C	ECQ-V50V-104J	1	374721044T	
PCB1	C9001	MMT C	MMT50V-334J	1	375523344T	
PCB1	C9003	VR C	CE04W35V-1000M(VR)	1	394661027S	
PCB1	C9004	VR C	CE04W35V-1000M(VR)	1	394661027S	
PCB1	R5000	CARBON R	R16J-1K	1	417341024T	
PCB1	R5001	CARBON R	R16J-1K	1	417341024T	
PCB1	R5002	CARBON R	R16J-1K	1	417341024T	
PCB1	R5003	CARBON R	R16J-1K	1	417341024T	
PCB1	R5004	CARBON R	R16J-1K	1	417341024T	
PCB1	R5005	CARBON R	R16J-1K	1	417341024T	
PCB1	R5006	CARBON R	R16J-1K	1	417341024T	
PCB1	R5010	CARBON R	R16J-56K	1	417345634T	
PCB1	R5011	CARBON R	R16J-56K	1	417345634T	
PCB1	R5012	CARBON R	R16J-56K	1	417345634T	
PCB1	R5013	CARBON R	R16J-56K	1	417345634T	
PCB1	R5014	CARBON R	R16J-56K	1	417345634T	
PCB1	R5015	CARBON R	R16J-56K	1	417345634T	
PCB1	R5016	CARBON R	R16J-56K	1	417345634T	
PCB1	R5020	CARBON R	R16J-330	1	417343314T	
PCB1	R5021	CARBON R	R16J-330	1	417343314T	

PCB1	R5022	CARBON R	R16J-330	1	417343314T	
PCB1	R5023	CARBON R	R16J-330	1	417343314T	
PCB1	R5024	CARBON R	R16J-330	1	417343314T	
PCB1	R5025	CARBON R	R16J-330	1	417343314T	
PCB1	R5026	CARBON R	R16J-330	1	417343314T	
PCB1	R5030	CARBON R	R16J-120K	1	417341244T	
PCB1	R5031	CARBON R	R16J-120K	1	417341244T	
PCB1	R5032	CARBON R	R16J-120K	1	417341244T	
PCB1	R5033	CARBON R	R16J-120K	1	417341244T	
PCB1	R5034	CARBON R	R16J-120K	1	417341244T	
PCB1	R5035	CARBON R	R16J-120K	1	417341244T	
PCB1	R5036	CARBON R	R16J-120K	1	417341244T	
PCB1	R5040	CARBON R	R16J-2.2K	1	417342224T	
PCB1	R5041	CARBON R	R16J-2.2K	1	417342224T	
PCB1	R5042	CARBON R	R16J-2.2K	1	417342224T	
PCB1	R5043	CARBON R	R16J-2.2K	1	417342224T	
PCB1	R5044	CARBON R	R16J-2.2K	1	417342224T	
PCB1	R5045	CARBON R	R16J-2.2K	1	417342224T	
PCB1	R5046	CARBON R	R16J-2.2K	1	417342224T	
PCB1	R5050	CARBON R	R16J-4.7K	1	417344724T	
PCB1	R5051	CARBON R	R16J-4.7K	1	417344724T	
PCB1	R5052	CARBON R	R16J-4.7K	1	417344724T	
PCB1	R5053	CARBON R	R16J-4.7K	1	417344724T	
PCB1	R5054	CARBON R	R16J-4.7K	1	417344724T	
PCB1	R5055	CARBON R	R16J-4.7K	1	417344724T	
PCB1	R5056	CARBON R	R16J-4.7K	1	417344724T	
PCB1	R5060	CARBON R	R16J-1.2K	1	417341224T	
PCB1	R5061	CARBON R	R16J-1.2K	1	417341224T	
PCB1	R5062	CARBON R	R16J-1.2K	1	417341224T	
PCB1	R5063	CARBON R	R16J-1.2K	1	417341224T	
PCB1	R5064	CARBON R	R16J-1.2K	1	417341224T	
PCB1	R5065	CARBON R	R16J-1.2K	1	417341224T	
PCB1	R5066	CARBON R	R16J-1.2K	1	417341224T	
PCB1	R5080	CARBON R	R16J-470	1	417344714T	
PCB1	R5081	CARBON R	R16J-470	1	417344714T	
PCB1	R5082	CARBON R	R16J-470	1	417344714T	
PCB1	R5083	CARBON R	R16J-470	1	417344714T	
PCB1	R5084	CARBON R	R16J-470	1	417344714T	
PCB1	R5085	CARBON R	R16J-470	1	417344714T	
PCB1	R5086	CARBON R	R16J-470	1	417344714T	
PCB1	R5090	CARBON R	R16J-100K	1	417341044T	
PCB1	R5091	CARBON R	R16J-100K	1	417341044T	
PCB1	R5092	CARBON R	R16J-100K	1	417341044T	
PCB1	R5093	CARBON R	R16J-100K	1	417341044T	
PCB1	R5094	CARBON R	R16J-100K	1	417341044T	
PCB1	R5095	CARBON R	R16J-100K	1	417341044T	
PCB1	R5096	CARBON R	R16J-100K	1	417341044T	
PCB1	R5100	CARBON R	R16J-100K	1	417341044T	
PCB1	R5101	CARBON R	R16J-100K	1	417341044T	
PCB1	R5102	CARBON R	R16J-100K	1	417341044T	
PCB1	R5103	CARBON R	R16J-100K	1	417341044T	

PCB1	R5104	CARBON R	R16J-100K	1	417341044T	
PCB1	R5105	CARBON R	R16J-100K	1	417341044T	
PCB1	R5106	CARBON R	R16J-100K	1	417341044T	
PCB1	R5110	CARBON R	R16J-1K	1	417341024T	
PCB1	R5111	CARBON R	R16J-1K	1	417341024T	
PCB1	R5112	CARBON R	R16J-1K	1	417341024T	
PCB1	R5113	CARBON R	R16J-1K	1	417341024T	
PCB1	R5114	CARBON R	R16J-1K	1	417341024T	
PCB1	R5115	CARBON R	R16J-1K	1	417341024T	
PCB1	R5116	CARBON R	R16J-1K	1	417341024T	
PCB1	R5130	CARBON R	R16J-22K	1	417342234T	
PCB1	R5131	CARBON R	R16J-22K	1	417342234T	
PCB1	R5132	CARBON R	R16J-22K	1	417342234T	
PCB1	R5133	CARBON R	R16J-22K	1	417342234T	
PCB1	R5134	CARBON R	R16J-22K	1	417342234T	
PCB1	R5135	CARBON R	R16J-22K	1	417342234T	
PCB1	R5136	CARBON R	R16J-22K	1	417342234T	
PCB1	R5160	NF CARBON R	R25J-150	1	415471514T	
PCB1	R5161	NF CARBON R	R25J-150	1	415471514T	
PCB1	R5162	NF CARBON R	R25J-150	1	415471514T	
PCB1	R5163	NF CARBON R	R25J-150	1	415471514T	
PCB1	R5164	NF CARBON R	R25J-150	1	415471514T	
PCB1	R5165	NF CARBON R	R25J-150	1	415471514T	
PCB1	R5166	NF CARBON R	R25J-150	1	415471514T	
PCB1	R5170	NF CARBON R	R25J-150	1	415471514T	
PCB1	R5171	NF CARBON R	R25J-150	1	415471514T	
PCB1	R5172	NF CARBON R	R25J-150	1	415471514T	
PCB1	R5173	NF CARBON R	R25J-150	1	415471514T	
PCB1	R5174	NF CARBON R	R25J-150	1	415471514T	
PCB1	R5175	NF CARBON R	R25J-150	1	415471514T	
PCB1	R5176	NF CARBON R	R25J-150	1	415471514T	
PCB1	R5180	NF CARBON R	R25J-10	1	415471004T	
PCB1	R5181	NF CARBON R	R25J-10	1	415471004T	
PCB1	R5182	NF CARBON R	R25J-10	1	415471004T	
PCB1	R5183	NF CARBON R	R25J-10	1	415471004T	
PCB1	R5184	NF CARBON R	R25J-10	1	415471004T	
PCB1	R5185	NF CARBON R	R25J-10	1	415471004T	
PCB1	R5186	NF CARBON R	R25J-10	1	415471004T	
PCB1	R5190	NF CARBON R	R25J-10	1	415471004T	
PCB1	R5191	NF CARBON R	R25J-10	1	415471004T	
PCB1	R5192	NF CARBON R	R25J-10	1	415471004T	
PCB1	R5193	NF CARBON R	R25J-10	1	415471004T	
PCB1	R5194	NF CARBON R	R25J-10	1	415471004T	
PCB1	R5195	NF CARBON R	R25J-10	1	415471004T	
PCB1	R5196	NF CARBON R	R25J-10	1	415471004T	
PCB1	R5200	CARBON R	R16J-22K	1	417342234T	
PCB1	R5201	CARBON R	R16J-22K	1	417342234T	
PCB1	R5202	CARBON R	R16J-22K	1	417342234T	
PCB1	R5203	CARBON R	R16J-22K	1	417342234T	
PCB1	R5204	CARBON R	R16J-22K	1	417342234T	
PCB1	R5205	CARBON R	R16J-22K	1	417342234T	

PCB1	R5206	CARBON R	R16J-22K	1	417342234T	
PCB1	R5230	CARBON R	R16J-120K	1	417341244T	
PCB1	R5231	CARBON R	R16J-120K	1	417341244T	
PCB1	R5232	CARBON R	R16J-120K	1	417341244T	
PCB1	R5233	CARBON R	R16J-120K	1	417341244T	
PCB1	R5234	CARBON R	R16J-120K	1	417341244T	
PCB1	R5235	CARBON R	R16J-120K	1	417341244T	
PCB1	R5236	CARBON R	R16J-120K	1	417341244T	
PCB1	R5500	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5503	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5504	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5505	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5506	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5507	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5508	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5513	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5514	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5515	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5516	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5517	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5518	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5519	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5520	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5521	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5522	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5523	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5524	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5525	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5526	C-CARBON R	RN72K1J-331JE	1	435033314R1	
PCB1	R5531	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB1	R5541	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5542	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5543	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5544	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5545	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5546	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5547	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5548	C-CARBON R	RN72K1J-224JE	1	435032244R1	
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PCB1	R5554	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5555	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5556	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5557	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5558	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5559	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5560	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5561	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5562	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5563	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5564	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5565	C-CARBON R	RN72K1J-224JE	1	435032244R1	

PCB1	R5566	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5575	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5576	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5577	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB1	R5578	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB1	R5579	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5580	C-CARBON R	RN72K1J-224JE	1	435032244R1	<MDD, MDC>
PCB1	R5581	C-CARBON R	RN72K1J-224JE	1	435032244R1	<MDD, MDC>
PCB1	R5582	C-CARBON R	RN72K1J-224JE	1	435032244R1	<MDD, MDC>
PCB1	R5583	C-CARBON R	RN72K1J-224JE	1	435032244R1	<MDD, MDC>
PCB1	R5585	C-CARBON R	RN72K1J-182JE	1	435031824R1	
PCB1	R5586	C-CARBON R	RN72K1J-182JE	1	435031824R1	
PCB1	R5587	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5588	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5589	CARBON R	R16J-1K	1	417341024T	
PCB1	R5590	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5591	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5592	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB1	R5593	C-CARBON R	RN72K1J-122JE	1	435031224R1	
PCB1	R5594	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5595	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5596	C-CARBON R	RN72K1J-471JE	1	435034714R1	
PCB1	R5597	C-CARBON R	RN72K1J-122JE	1	435031224R1	
PCB1	R5598	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5599	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5600	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5601	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5602	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5603	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5604	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5605	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5606	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5607	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5610	C-CARBON R	RN72K1J-271JE	1	435032714R1	
PCB1	R5611	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5612	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5613	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5614	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5615	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5616	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5617	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB1	R5620	C-CARBON R	RN72K1J-101JE	1	435031014R1	
PCB1	R5621	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB1	R5622	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB1	R5623	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB1	R5624	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB1	R5625	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB1	R5626	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB1	R5627	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB1	R5630	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB1	R5631	C-CARBON R	RN72K1J-473JE	1	435034734R1	

PCB1	R5632	C-CARBON R	RN72K1J-153JE	1	435031534R1	
PCB1	R5633	C-CARBON R	RN72K1J-122JE	1	435031224R1	
PCB1	R5634	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R5660	METAL R	RNU1WCJ-2.2	1	453630224T	
PCB1	R5661	METAL R	RNU1WCJ-2.2	1	453630224T	
PCB1	R5666	CARBON R	R16J-22	1	417342204T	
PCB1	R5667	CARBON R	R16J-22	1	417342204T	
PCB1	R5670	METAL O R	RS2WBJ-47	1	441724704F	
PCB1	R5671	METAL O R	RS2WBJ-68	1	441726804F	
PCB1	R5672	METAL O R	RS2WBJ-47	1	441724704F	
PCB1	R5673	METAL O R	RS2WBJ-68	1	441726804F	
PCB1	R5674	METAL O R	RS1WBJ-82	1	443628204T	
PCB1	R5675	METAL O R	RS1WBJ-82	1	443628204T	
PCB1	R5677	METAL O R	RS2WBJ-15	1	441721504F	
PCB1	R5678	METAL O R	RS2WBJ-15	1	441721504F	
PCB1	R5681	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R5814	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB1	R5820	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB1	R5822	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB1	R5823	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB1	R6000	CARBON R	R16J-5.6K	1	417345624T	
PCB1	R6001	CARBON R	R16J-5.6K	1	417345624T	
PCB1	R6002	CARBON R	R16J-5.6K	1	417345624T	
PCB1	R6003	CARBON R	R16J-5.6K	1	417345624T	
PCB1	R6004	CARBON R	R16J-5.6K	1	417345624T	
PCB1	R6005	CARBON R	R16J-5.6K	1	417345624T	
PCB1	R6006	CARBON R	R16J-5.6K	1	417345624T	
PCB1	R6010	CARBON R	R16J-3.9K	1	417343924T	
PCB1	R6011	CARBON R	R16J-3.9K	1	417343924T	
PCB1	R6012	CARBON R	R16J-3.9K	1	417343924T	
PCB1	R6013	CARBON R	R16J-3.9K	1	417343924T	
PCB1	R6014	CARBON R	R16J-3.9K	1	417343924T	
PCB1	R6015	CARBON R	R16J-3.9K	1	417343924T	
PCB1	R6016	CARBON R	R16J-3.9K	1	417343924T	
PCB1	R6020	NF CARBON R	R25J-2.2	1	415470224T	
PCB1	R6021	NF CARBON R	R25J-2.2	1	415470224T	
PCB1	R6022	NF CARBON R	R25J-2.2	1	415470224T	
PCB1	R6023	NF CARBON R	R25J-2.2	1	415470224T	
PCB1	R6024	NF CARBON R	R25J-2.2	1	415470224T	
PCB1	R6025	NF CARBON R	R25J-2.2	1	415470224T	
PCB1	R6026	NF CARBON R	R25J-2.2	1	415470224T	
PCB1	R6030	CARBON R	R16J-470	1	417344714T	
PCB1	R6031	CARBON R	R16J-470	1	417344714T	
PCB1	R6032	CARBON R	R16J-470	1	417344714T	
PCB1	R6033	CARBON R	R16J-470	1	417344714T	
PCB1	R6034	CARBON R	R16J-470	1	417344714T	
PCB1	R6035	CARBON R	R16J-470	1	417344714T	
PCB1	R6036	CARBON R	R16J-470	1	417344714T	
PCB1	R6040	TRIM R	N06HR2KBC	1	5210390T	
PCB1	R6041	TRIM R	N06HR2KBC	1	5210390T	
PCB1	R6042	TRIM R	N06HR2KBC	1	5210390T	

PCB1	R6043	TRIM R	N06HR2KBC	1	5210390T
PCB1	R6044	TRIM R	N06HR2KBC	1	5210390T
PCB1	R6045	TRIM R	N06HR2KBC	1	5210390T
PCB1	R6046	TRIM R	N06HR2KBC	1	5210390T
PCB1	R6050	CARBON R	R16J-3.3K	1	417343324T
PCB1	R6051	CARBON R	R16J-3.3K	1	417343324T
PCB1	R6052	CARBON R	R16J-3.3K	1	417343324T
PCB1	R6053	CARBON R	R16J-3.3K	1	417343324T
PCB1	R6054	CARBON R	R16J-3.3K	1	417343324T
PCB1	R6055	CARBON R	R16J-3.3K	1	417343324T
PCB1	R6056	CARBON R	R16J-3.3K	1	417343324T
PCB1	R6070	NF CARBON R	R25J-120	1	415471214T
PCB1	R6071	NF CARBON R	R25J-120	1	415471214T
PCB1	R6072	NF CARBON R	R25J-120	1	415471214T
PCB1	R6073	NF CARBON R	R25J-120	1	415471214T
PCB1	R6074	NF CARBON R	R25J-120	1	415471214T
PCB1	R6075	NF CARBON R	R25J-120	1	415471214T
PCB1	R6076	NF CARBON R	R25J-120	1	415471214T
PCB1	R6080	NF CARBON R	R25J-0.22	1	415472294T
PCB1	R6081	NF CARBON R	R25J-0.22	1	415472294T
PCB1	R6082	NF CARBON R	R25J-0.22	1	415472294T
PCB1	R6083	NF CARBON R	R25J-0.22	1	415472294T
PCB1	R6084	NF CARBON R	R25J-0.22	1	415472294T
PCB1	R6085	NF CARBON R	R25J-0.22	1	415472294T
PCB1	R6086	NF CARBON R	R25J-0.22	1	415472294T
PCB1	R6090	NF CARBON R	R25J-0.22	1	415472294T
PCB1	R6091	NF CARBON R	R25J-0.22	1	415472294T
PCB1	R6092	NF CARBON R	R25J-0.22	1	415472294T
PCB1	R6093	NF CARBON R	R25J-0.22	1	415472294T
PCB1	R6094	NF CARBON R	R25J-0.22	1	415472294T
PCB1	R6095	NF CARBON R	R25J-0.22	1	415472294T
PCB1	R6096	NF CARBON R	R25J-0.22	1	415472294T
PCB1	R6100	METAL PR	MPR2W+2W 0R22	1	4000234
PCB1	R6100 or	OTHER R	RGC22-0.22 OHMK	(1)	4000131
PCB1	R6100 or	METAL PR	MPC708-2WK-0.22	(1)	4500027
PCB1	R6101	METAL PR	MPR2W+2W 0R22	1	4000234
PCB1	R6101 or	OTHER R	RGC22-0.22 OHMK	(1)	4000131
PCB1	R6101 or	METAL PR	MPC708-2WK-0.22	(1)	4500027
PCB1	R6102	METAL PR	MPR2W+2W 0R22	1	4000234
PCB1	R6102 or	OTHER R	RGC22-0.22 OHMK	(1)	4000131
PCB1	R6102 or	METAL PR	MPC708-2WK-0.22	(1)	4500027
PCB1	R6103	METAL PR	MPR2W+2W 0R22	1	4000234
PCB1	R6103 or	OTHER R	RGC22-0.22 OHMK	(1)	4000131
PCB1	R6103 or	METAL PR	MPC708-2WK-0.22	(1)	4500027
PCB1	R6104	METAL PR	MPR2W+2W 0R22	1	4000234
PCB1	R6104 or	OTHER R	RGC22-0.22 OHMK	(1)	4000131
PCB1	R6104 or	METAL PR	MPC708-2WK-0.22	(1)	4500027
PCB1	R6105	METAL PR	MPR2W+2W 0R22	1	4000234
PCB1	R6105 or	OTHER R	RGC22-0.22 OHMK	(1)	4000131
PCB1	R6105 or	METAL PR	MPC708-2WK-0.22	(1)	4500027
PCB1	R6106	METAL PR	MPR2W+2W 0R22	1	4000234

PCB1	R6106 or	OTHER R	RGC22-0.22 OHMK	(1)	4000131
PCB1	R6106 or	METAL PR	MPC708-2WK-0.22	(1)	4500027
PCB1	R6130	METAL R	RNU1WCJ-8.2	1	453630824T
PCB1	R6131	METAL R	RNU1WCJ-8.2	1	453630824T
PCB1	R6132	METAL R	RNU1WCJ-8.2	1	453630824T
PCB1	R6133	METAL R	RNU1WCJ-8.2	1	453630824T
PCB1	R6134	METAL R	RNU1WCJ-8.2	1	453630824T
PCB1	R6135	METAL R	RNU1WCJ-8.2	1	453630824T
PCB1	R6136	METAL R	RNU1WCJ-8.2	1	453630824T
PCB1	R6140	C-CARBON R	RN72K1J-223JE	1	435032234R1
PCB1	R6141	C-CARBON R	RN72K1J-223JE	1	435032234R1
PCB1	R6142	C-CARBON R	RN72K1J-223JE	1	435032234R1
PCB1	R6143	C-CARBON R	RN72K1J-223JE	1	435032234R1
PCB1	R6144	C-CARBON R	RN72K1J-223JE	1	435032234R1
PCB1	R6145	C-CARBON R	RN72K1J-223JE	1	435032234R1
PCB1	R6146	C-CARBON R	RN72K1J-223JE	1	435032234R1
PCB1	R6150	C-CARBON R	RN72K1J-123JE	1	435031234R1
PCB1	R6151	C-CARBON R	RN72K1J-123JE	1	435031234R1
PCB1	R6152	C-CARBON R	RN72K1J-123JE	1	435031234R1
PCB1	R6153	C-CARBON R	RN72K1J-123JE	1	435031234R1
PCB1	R6154	C-CARBON R	RN72K1J-123JE	1	435031234R1
PCB1	R6155	C-CARBON R	RN72K1J-123JE	1	435031234R1
PCB1	R6156	C-CARBON R	RN72K1J-123JE	1	435031234R1
PCB1	R6160	CARBON R	R16J-33K	1	417343334T
PCB1	R6161	CARBON R	R16J-33K	1	417343334T
PCB1	R6162	CARBON R	R16J-33K	1	417343334T
PCB1	R6163	CARBON R	R16J-33K	1	417343334T
PCB1	R6164	CARBON R	R16J-33K	1	417343334T
PCB1	R6165	CARBON R	R16J-33K	1	417343334T
PCB1	R6166	CARBON R	R16J-33K	1	417343334T
PCB1	R6170	CARBON R	R16J-47K	1	417344734T
PCB1	R6171	CARBON R	R16J-47K	1	417344734T
PCB1	R6172	CARBON R	R16J-47K	1	417344734T
PCB1	R6173	CARBON R	R16J-47K	1	417344734T
PCB1	R6174	CARBON R	R16J-47K	1	417344734T
PCB1	R6175	CARBON R	R16J-47K	1	417344734T
PCB1	R6176	CARBON R	R16J-47K	1	417344734T
PCB1	R6180	CARBON R	R16J-47K	1	417344734T
PCB1	R6181	CARBON R	R16J-47K	1	417344734T
PCB1	R6182	CARBON R	R16J-47K	1	417344734T
PCB1	R6183	CARBON R	R16J-47K	1	417344734T
PCB1	R6184	CARBON R	R16J-47K	1	417344734T
PCB1	R6185	CARBON R	R16J-47K	1	417344734T
PCB1	R6186	CARBON R	R16J-47K	1	417344734T
PCB1	R6190	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB1	R6191	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB1	R6192	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB1	R6193	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB1	R6194	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB1	R6195	C-CARBON R	RN72K1J-224JE	1	435032244R1
PCB1	R6196	C-CARBON R	RN72K1J-224JE	1	435032244R1

PCB1	R6197	METAL O R	RS1WBJ-100	1	443621014T	
PCB1	R6701	C-CARBON R	RN72K1J-223JE	1	435032234R1	
PCB1	R6702	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB1	R6704	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB1	R6706	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB1	R6708	C-CARBON R	RN72K1J-333JE	1	435033334R1	
PCB1	R6709	C-CARBON R	RN72K1J-562JE	1	435035624R1	
PCB1	R6710	C-CARBON R	RN72K1J-123JE	1	435031234R1	
PCB1	R6902	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB1	R6903	C-CARBON R	RN72K1J-473JE	1	435034734R1	
PCB1	RL6901	RELAY	NRL-1P10A-DC12-140	1	25065584	!
PCB1	RL6901 or	RELAY	NRL-1P10A-DC12-143	(1)	25065588	!
PCB1	RL6902	RELAY	NRL-1P10A-DC12-140	1	25065584	!
PCB1	RL6902 or	RELAY	NRL-1P10A-DC12-143	(1)	25065588	!
PCB1	P302	PLUG	NPLG-14P0969	1	25056019	
PCB1	P303	PLUG	NPLG-14P0969	1	25056019	
PCB1	P304	PLUG	NPLG-3P0958	1	25056008	
PCB1	P5505	TRM(SCREW)	M3	1	25065425	
PCB1	P6002	TRM	NTM-4PDML365	1	25060436	
PCB1	P6080	PLUG	NPLG-2P29	1	25055038	
PCB1	P6081	PLUG	NPLG-2P29	1	25055038	
PCB1	P6082	PLUG	NPLG-2P29	1	25055038	
PCB1	P6083	PLUG	NPLG-2P29	1	25055038	
PCB1	P6084	PLUG	NPLG-2P29	1	25055038	
PCB1	P6085	PLUG	NPLG-2P29	1	25055038	
PCB1	P6086	PLUG	NPLG-2P29	1	25055038	
PCB1	P6900	CRIMP AS	CRIMP AS	1	20799162UL	
PCB1	P6901	CRIMP AS	CRIMP AS	1	2069925226UL	
PCB1	P6902	CRIMP AS	CRIMP AS	1	2069925189UL	
PCB1	P6903	CRIMP AS	CRIMP AS	1	20799163UL	
PCB1	P6904	CRIMP AS	CRIMP AS	1	20799164UL	
PCB1	P6911	RETAINER	(BUS)	1	27142022	
PCB1	P7900	ST JACK	LGY2502-0200FC	1	25045696	
PCB1	P7902	PIN JACK	NPJ-6PDWWWRRR561	1	25045779	
PCB1	P7902 or	PIN JACK	NPJ-6PDBL159	(1)	25045300	
PCB1	P7904	PIN JACK	NPJ-6PDWWWRRR561	1	25045779	
PCB1	P7904 or	PIN JACK	NPJ-6PDBL159	(1)	25045300	
PCB1	P7905	PIN JACK	NPJ-4PDWLRE642	1	25045866	
PCB1	P7906	PIN JACK	NPJ-4PDGNPT643	1	25045867	
PCB1	P7908	PIN JACK	NPJ-1PDP555	1	25045773	
PCB1	F6901A	FUSE HOL	NSCT-1P2031	1	25052133T	!
PCB1	F6901B	FUSE HOL	NSCT-1P2031	1	25052133T	!
PCB1	F6902A	FUSE HOL	NSCT-1P2031	1	25052133T	!
PCB1	F6902B	FUSE HOL	NSCT-1P2031	1	25052133T	!
PCB1	J5500	PVC	1007#24 .2/7HAND B	1	---	NSP
PCB1	J5500 or	PVC	1007#24 .2/7HAND R	(1)	---	NSP
PCB1	JL5502	JUMPER LEAD	JL7 300 B	1	---	NSP, <MDD, MD
PCB1	JL5502A	WIRE HOL	NSCT-7P878	1	25051091	<MDD, MDC>
PCB1	JL6402	JUMPER LEAD	JL3 300 B	1	---	NSP
PCB1	JL6402A	WIRE HOL	NSCT-3P874	1	25051087	
PCB1	JL6600	JUMPER LEAD	JL7 200 H	1	---	NSP

PCB1	JL6600A	WIRE HOL	NSCT-7P898	1	25051111	
PCB1	JL6603	JUMPER LEAD	JL9 200 H	1	---	NSP
PCB1	JL6603A	WIRE HOL	NSCT-9P900	1	25051113	
PCB1	JL6604	JUMPER LEAD	JL4 200 H	1	---	NSP
PCB1	JL6604A	WIRE HOL	NSCT-4P895	1	25051108	
PCB1	JL6952	JUMPER LEAD	JL4 150 H	1	---	NSP
PCB1	JL6952A	WIRE HOL	NSCT-4P895	1	25051108	
PCB1	JL6952B	WIRE HOL	NSCT-4P895	1	25051108	

PCB2 **U05** DISPLAY PC BOARD (NADIS-9148-1A / 1G)
PCB2 **U06** SWITCH PC BOARD (NADIS-9149-1A / 1G)
PCB2 **U07** POWER SUPPLY PC BOARD (NAPS-9150-1A / 1G)
PCB2 **U08** TRANS. SEC. TERMINAL PC BOARD (NAPS-9151-1A / 1G)
PCB2 **U09** HEADPHONE JACK PC BOARD (NAETC-9153-1A / 1G)
PCB2

	CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
PCB2	U7041	REMO SENS	NJL34H380A	1	241365	
PCB2	Q7001	FL TUBE	16-BT-138GNK	1	212268	
PCB2	Q7001A	HOLDER	(FL)	1	27191222C	
PCB2	Q7003	IC	M66005-0001AHP	1	22242208R3	
PCB2	Q7004	TR	2SC2458-GR	1	2212115T	
PCB2	Q7004 or	TR	2SC1740S-R	(1)	2213284T	
PCB2	Q7004 or	TR	2SC1740S-S	(1)	2213285T	
PCB2	Q7005	TR	KRA102M	1	2215770T	
PCB2	Q7005 or	TR	DTA114ES	(1)	2213510T	
PCB2	Q7007	TR	KRC102M	1	2215960T	
PCB2	Q7007 or	TR	DTC114ES	(1)	2213290T	
PCB2	Q7151	TR	KRA102M	1	2215770T	<MPA>
PCB2	Q7151 or	TR	DTA114ES	(1)	2213510T	<MPA>
PCB2	Q7401	IC	NJM4580D-D	1	22241112	
PCB2	Q7403	TR	KRC111M	1	2216320T	
PCB2	Q7403 or	TR	DTC114TS	(1)	221299T	
PCB2	Q7404	TR	KRC111M	1	2216320T	
PCB2	Q7404 or	TR	DTC114TS	(1)	221299T	
PCB2	D911	DIODE	1SS133	1	223163T	
PCB2	D912	DIODE	1SS133	1	223163T	
PCB2	D921	DIODE	1SS133	1	223163T	
PCB2	D922	DIODE	1SS133	1	223163T	
PCB2	D923	DIODE	1SS133	1	223163T	
PCB2	D924	DIODE	1SS133	1	223163T	
PCB2	D925	DIODE	1SS133	1	223163T	
PCB2	D930	DIODE	1SS133	1	223163T	
PCB2	D931	DIODE	1SS133	1	223163T	
PCB2	D933	DIODE	1SS133	1	223163T	
PCB2	D934	ZENER D	MTZJ5.1B	1	224470512T	
PCB2	D935	DIODE	1SS133	1	223163T	
PCB2	D7002	ZENER D	MTZJ8.2C	1	224470823T	
PCB2	D7151	LED	SLI-343URC-TE7	1	225449T	
PCB2	D7153	LED	SDPB3DD0C	1	225464	<MPA>
PCB2	D7401	ZENER D	MTZJ5.1B	1	224470512T	
PCB2	D7411	ZENER D	MTZJ6.8C	1	224470683T	

PCB2	D7411 or	ZENER D	DZ-6.8BSC	(1)	224850683T	
PCB2	D7412	ZENER D	MTZJ6.8C	1	224470683T	
PCB2	D7412 or	ZENER D	DZ-6.8BSC	(1)	224850683T	
PCB2	T902	P TRANS	NPT-1520JQ	1	2301812	!, <MDD, MDC>
PCB2	T902	P TRANS	NPT-1520GQ	1	2301813	!, <MPA>
PCB2	L7031	CHOKE COIL	NCH-1561 022K	1	233526K022T	
PCB2	L7201	CHOKE COIL	NCH-1561 022K	1	233526K022T	
PCB2	L7202	CHOKE COIL	NCH-1561 022K	1	233526K022T	
PCB2	L7203	CHOKE COIL	NCH-1561 022K	1	233526K022T	
PCB2	L7401	CHOKE COIL	NCH-1561 022K	1	233526K022T	
PCB2	L7402	CHOKE COIL	NCH-1561 022K	1	233526K022T	
PCB2	C901	IS C	ECQU2A103MLC	1	3800039S	!
PCB2	C901 or	IS C	RE275V-103M	(1)	3500196S	!
PCB2	C901 or	IS C	LE103-C3.5	(1)	3800042S	!
PCB2	C902	TF C	ECQ-V50V-104J	1	374721044T	
PCB2	C911	TF C	ECQ-B50V-102J	1	374721024T	
PCB2	C921	CERA C	CK45F50V-223Z	1	335622230T	
PCB2	C922	VR C	CE04W25V-2200M(VR)	1	394652227S	<MDD, MDC>
PCB2	C922	VR C	CE04W16V-2200M(VR)	1	394642227S	<MPA>
PCB2	C930	UTSP C	CE04W50V-100M(UTSP)	1	397581017T	
PCB2	C933	UTSP C	CE04W50V-4.7M(UTSP)	1	397580477T	
PCB2	C7001	CERA C	CK45F50V-223Z	1	335622230T	
PCB2	C7002	MMT C	MMT50V-104J	1	375521044T	
PCB2	C7003	CERA C	CC45SL50V-101J	1	345021014T	
PCB2	C7004	CERA C	CC45SL50V-101J	1	345021014T	
PCB2	C7005	CERA C	CC45SL50V-101J	1	345021014T	
PCB2	C7007	CERA C	CC45SL50V-101J	1	345021014T	
PCB2	C7008	UTSP C	CE04W10V-100M(UTSP)	1	397531017T	
PCB2	C7009	MMT C	MMT50V-104J	1	375521044T	
PCB2	C7010	CERA C	CK45F50V-223Z	1	335622230T	
PCB2	C7011	CERA C	CK45F50V-223Z	1	335622230T	
PCB2	C7012	CERA C	CK45F50V-223Z	1	335622230T	
PCB2	C7013	VR C	CE04W50V-33M(VR)	1	394683307T	
PCB2	C7014	CERA C	CK45F50V-223Z	1	335622230T	
PCB2	C7015	ELECT C	CE04W16V-47M(S)	1	353744709T	
PCB2	C7016	CERA C	CK45F50V-223Z	1	335622230T	
PCB2	C7017	CERA C	CK45F50V-223Z	1	335622230T	
PCB2	C7021	CERA C	CK45F50V-103Z	1	335621030T	
PCB2	C7022	CERA C	CK45F50V-103Z	1	335621030T	
PCB2	C7031	CERA C	CK45F50V-223Z	1	335622230T	
PCB2	C7032	CERA C	CK45F50V-223Z	1	335622230T	
PCB2	C7041	ELECT C	CE04W6.3V-100M(S)	1	353721019T	
PCB2	C7043	CERA C	CK45B50V-102K	1	335321025T	
PCB2	C7201	TF C	ECQ-B50V-472J	1	374724724T	
PCB2	C7202	TF C	ECQ-B50V-223J	1	374722234T	
PCB2	C7203	TF C	ECQ-B50V-102J	1	374721024T	
PCB2	C7204	TF C	ECQ-B50V-102J	1	374721024T	
PCB2	C7301	TF C	ECQ-B50V-471J	1	374724714T	
PCB2	C7302	TF C	ECQ-B50V-102J	1	374721024T	
PCB2	C7303	MMT C	MMT50V-104J	1	375521044T	
PCB2	C7304	MMT C	MMT50V-104J	1	375521044T	

PCB2	C7305	MMT C	MMT50V-104J	1	375521044T	
PCB2	C7401	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB2	C7402	CERA C	CC45SL50V-101J	1	345021014T	
PCB2	C7403	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB2	C7404	CERA C	CC45SL50V-330J	1	345023304T	
PCB2	C7405	ELECT C	CE04W16V-10M(S)	1	353741009T	
PCB2	C7411	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB2	C7412	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB2	C7421	CERA C	CC45SL50V-102J	1	345021024T	
PCB2	C9101	MMT C	MMT50V-104J	1	375521044T	
PCB2	R921	METAL O R	RS1/2WBJ-56	1	443525604T	
PCB2	R934	CARBON R	R16J-100K	1	417341044T	
PCB2	R7001	CARBON R	R16J-100K	1	417341044T	
PCB2	R7002	CARBON R	R16J-3.3K	1	417343324T	
PCB2	R7003	CARBON R	R16J-3.3K	1	417343324T	
PCB2	R7004	CARBON R	R16J-220	1	417342214T	
PCB2	R7005	CARBON R	R16J-220	1	417342214T	
PCB2	R7006	CARBON R	R16J-27K	1	417342734T	
PCB2	R7007	CARBON R	R16J-220	1	417342214T	
PCB2	R7008	CARBON R	R16J-220	1	417342214T	
PCB2	R7021	CARBON R	R16J-10K	1	417341034T	
PCB2	R7022	CARBON R	R16J-10K	1	417341034T	
PCB2	R7023	CARBON R	R16J-10K	1	417341034T	
PCB2	R7024	CARBON R	R16J-10K	1	417341034T	
PCB2	R7041	CARBON R	R16J-100	1	417341014T	
PCB2	R7042	CARBON R	R16J-1K	1	417341024T	
PCB2	R7101	CARBON R	R16J-330	1	417343314T	
PCB2	R7102	CARBON R	R16J-470	1	417344714T	
PCB2	R7103	CARBON R	R16J-560	1	417345614T	
PCB2	R7104	CARBON R	R16J-820	1	417348214T	
PCB2	R7105	CARBON R	R16J-1.2K	1	417341224T	
PCB2	R7107	CARBON R	R16J-330	1	417343314T	
PCB2	R7108	CARBON R	R16J-470	1	417344714T	
PCB2	R7109	CARBON R	R16J-560	1	417345614T	
PCB2	R7110	CARBON R	R16J-820	1	417348214T	
PCB2	R7111	CARBON R	R16J-1.2K	1	417341224T	
PCB2	R7112	CARBON R	R16J-2.2K	1	417342224T	
PCB2	R7113	CARBON R	R16J-3.9K	1	417343924T	
PCB2	R7114	CARBON R	R16J-12K	1	417341234T	
PCB2	R7115	CARBON R	R16J-330	1	417343314T	
PCB2	R7116	CARBON R	R16J-470	1	417344714T	
PCB2	R7117	CARBON R	R16J-560	1	417345614T	
PCB2	R7118	CARBON R	R16J-820	1	417348214T	
PCB2	R7119	CARBON R	R16J-1.2K	1	417341224T	
PCB2	R7120	CARBON R	R16J-2.2K	1	417342224T	
PCB2	R7121	CARBON R	R16J-3.9K	1	417343924T	
PCB2	R7122	CARBON R	R16J-12K	1	417341234T	
PCB2	R7123	CARBON R	R16J-330	1	417343314T	
PCB2	R7124	CARBON R	R16J-470	1	417344714T	
PCB2	R7125	CARBON R	R16J-560	1	417345614T	
PCB2	R7126	CARBON R	R16J-820	1	417348214T	

PCB2	R7127	CARBON R	R16J-1.2K	1	417341224T	
PCB2	R7128	CARBON R	R16J-2.2K	1	417342224T	
PCB2	R7129	CARBON R	R16J-3.9K	1	417343924T	
PCB2	R7130	CARBON R	R16J-12K	1	417341234T	
PCB2	R7151	CARBON R	R16J-2.2K	1	417342224T	
PCB2	R7152	CARBON R	R16J-120	1	417341214T	<MPA>
PCB2	R7301	CARBON R	R16J-330	1	417343314T	
PCB2	R7302	CARBON R	R16J-330	1	417343314T	
PCB2	R7303	CARBON R	R16J-75	1	417347504T	
PCB2	R7401	CARBON R	R16J-100	1	417341014T	
PCB2	R7402	CARBON R	R16J-47K	1	417344734T	
PCB2	R7403	CARBON R	R16J-4.7K	1	417344724T	
PCB2	R7404	CARBON R	R16J-220	1	417342214T	
PCB2	R7405	CARBON R	R16J-47K	1	417344734T	
PCB2	R7406	CARBON R	R16J-330	1	417343314T	
PCB2	R7407	CARBON R	R16J-1K	1	417341024T	
PCB2	R7408	CARBON R	R16J-33K	1	417343334T	
PCB2	R7409	CARBON R	R16J-220	1	417342214T	
PCB2	R7410	CARBON R	R16J-220	1	417342214T	
PCB2	R7411	CARBON R	R16J-470	1	417344714T	
PCB2	R7412	CARBON R	R16J-470	1	417344714T	
PCB2	R7413	CARBON R	R16J-220K	1	417342244T	
PCB2	R7414	CARBON R	R16J-100K	1	417341044T	
PCB2	R9101	METAL R	RNU1/2WCJ-0.1	1	453531094T	<MDD, MDC>
PCB2	R9101	METAL R	RNU1/2WCJ-0.22	1	453532294T	<MPA>
PCB2	R9102	METAL R	RNU1/2WCJ-8.2	1	453530824T	
PCB2	RL901	RELAY	NRL-1P5A-DC9-179	1	25065669	!
PCB2	S7001	R ENCODE	EC12E2425WITH WASHER	1	25065655W	
PCB2	S7101	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7104	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7106	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7107	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7109	PUSH SW	NPS-111-S681	1	25035718T	<MPA>
PCB2	S7115	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7117	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7119	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7123	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7125	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7127	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7129	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7132	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7134	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7136	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7138	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7140	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7142	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7144	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7146	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7148	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7149	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7151	PUSH SW	NPS-111-S681	1	25035718T	

PCB2	S7153	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7155	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7157	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7159	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7161	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7164	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	S7166	PUSH SW	NPS-111-S681	1	25035718T	
PCB2	P701B	SOCKET	NSCT-32P2162	1	25052265	
PCB2	P7201	ST JACK	MSJ-064-05A SR	1	25045783	
PCB2	P7201 or	ST JACK	YKB21-5005	(1)	25045724	
PCB2	P7301	PIN JACK	NPJ-7PDB477	1	25045680	
PCB2	P7401	ST JACK	MSJ-035-05C B AG SR type	1	25045879	
PCB2	P901A	PLUG	NPLG-2P631	1	25055675	!
PCB2	P901A or	PLUG	1-1123724-2	(1)	25056402	!
PCB2	P911	PLUG	NPLG-2P631	1	25055675	
PCB2	P911 or	PLUG	1-1123724-2	(1)	25056402	
PCB2	E901	TRM(SCREW)	M3	1	25065425	
PCB2	E902	TRM(SCREW)	M3	1	25065425	
PCB2	E7201	TRM(SCREW)	M3	1	25065425	
PCB2	E7301	RETAINER	(S)	1	27142074	
PCB2	F901C	FUSE HOL	NSCT-1P2031	1	25052133T	!
PCB2	F901D	FUSE HOL	NSCT-1P2031	1	25052133T	!
PCB2	JL901	JUMPER LEAD	JL5 150 B	1	---	NSP
PCB2	JL901A	WIRE HOL	NSCT-5P876	1	25051089	
PCB2	JL6605	JUMPER LEAD	JL5 400 H	1	---	NSP
PCB2	JL6605A	WIRE HOL	NSCT-5P896	1	25051109	
PCB2	JL7101	JUMPER LEAD	JL9 200 H	1	---	NSP
PCB2	JL7101A	WIRE HOL	NSCT-9P900	1	25051113	
PCB2	JL7101B	WIRE HOL	NSCT-9P900	1	25051113	
PCB2	JL9101	JUMPER LEAD	JL6 300 H	1	---	NSP
PCB2	JL9101A	WIRE HOL	NSCT-6P897	1	25051110	

PCB3 **U11** DSP PC BOARD (NADG-9177-1F / 1G)

PCB3 **U12** VIDEO & SPEAKER TERMINAL PC BOARD (NAVD-9178-1F / 1G)

PCB3 **U13** XM DIGITAL TRANSCEIVER PC BOARD (NADG-9179-1F)

PCB3 **<Note>**

PCB3 U13 : <MDD>, <MDC> Only

PCB3

	CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
PCB3	U131	PHT CP	GP1FAV51RKF5	1	24120129	
PCB3	U131 or	PHT CP	JSR1165-001recieving	(1)	24120143	
PCB3	U132	PHT CP	GP1FAV51RKF5	1	24120129	
PCB3	U132 or	PHT CP	JSR1165-001recieving	(1)	24120143	
PCB3	Q131	IC	74HCU04F	1	222740046R2	
PCB3	Q151	IC	TC74VHC541FT	1	22274541ER2TO	
PCB3	Q151 or	IC	TC74VHC541FT(EKJ)	(1)	22274541E1R2TO	
PCB3	Q152	IC	TC74HCT7007AF(EL_F)	1	222740077R2TO	
PCB3	Q171	IC	TC7WU04FU(TE12L_F)	1	22240935R2	
PCB3	Q201	IC	D707E001BRFP250	1	22242401R3	
PCB3	Q201 or	IC	D707E001RFP250	(1)	22242309R3	
PCB3	Q281	IC	M12L16161A-7TG	1	22242278R3	

PCB3	Q281 or	IC	IC42S16100	(1)	22242123R2	
PCB3	Q281 or	IC	RMS116T(LF)	(1)	22242340R3	
PCB3	Q282	IC (DSP ROM)	ES29LV400	1	222W0045R3	
PCB3	Q282 or	IC (DSP ROM)	ES29LV400ET-70TG	(1)	222W0065R3	
PCB3	Q282 or	IC (DSP ROM)	S29AL004D70TFI010	(1)	222W0061R3	
PCB3	Q301	IC	CS42518-CQZR-D	1	22242229R2	
PCB3	Q341	IC	NJM4580M-D	1	22241448R2	
PCB3	Q401	IC	NJM4580M-D	1	22241448R2	
PCB3	Q402	IC	NJM4580M-D	1	22241448R2	
PCB3	Q403	IC	NJM4580M-D	1	22241448R2	
PCB3	Q404	IC	NJM4580M-D	1	22241448R2	
PCB3	Q601	TR	KRC104S	1	2216210R2	
PCB3	Q601 or	TR	RN1404	(1)	2214490R2	
PCB3	Q602	TR	KRA102S	1	2216220R2	
PCB3	Q602 or	TR	RN2402	(1)	2214530R2	
PCB3	Q610	IC	S-24CS16A0I-J8V1G	1	22242326R2	
PCB3	Q701	IC (MICROPROCESSOR)	M30626FHPFP	1	22242459R3	
PCB3	Q702	IC	S-812C56AUA-C3K	1	22242207R2	
PCB3	Q741	IC	SI8008TM	1	22242323R2	
PCB3	Q742	IC	BD7820	1	22242300R2	
PCB3	Q746	IC	TA48033AF(TE16L_NQ)	1	22278033DR2TO	
PCB3	Q746 or	IC	BA33BC0FP	(1)	22278033DR2RH	
PCB3	Q751	TR	KRC104S	1	2216210R2	
PCB3	Q751 or	TR	RN1404	(1)	2214490R2	
PCB3	Q752	TR	KRA102S	1	2216220R2	
PCB3	Q752 or	TR	RN2402	(1)	2214530R2	
PCB3	Q2001	IC	F2628E-01	1	22242436R2	<MDD, MDC>
PCB3	Q2002	IC	CS4344-CZZR	1	22242406R2	<MDD, MDC>
PCB3	Q2003	IC	NE5532APSR	1	22242283R2	<MDD, MDC>
PCB3	Q2004	IC	TA48033AF(TE16L_NQ)	1	22278033DR2TO	<MDD, MDC>
PCB3	Q2004 or	IC	BA33BC0FP	(1)	22278033DR2RH	<MDD, MDC>
PCB3	Q2004 or	IC	NJM2391DL1-33	(1)	22278033DR2JR	<MDD, MDC>
PCB3	Q2005	IC	TA48033AF(TE16L_NQ)	1	22278033DR2TO	<MDD, MDC>
PCB3	Q2005 or	IC	BA33BC0FP	(1)	22278033DR2RH	<MDD, MDC>
PCB3	Q2005 or	IC	NJM2391DL1-33	(1)	22278033DR2JR	<MDD, MDC>
PCB3	Q2006	IC	TC74HCT7007AF(EL_F)	1	222740077R2TO	<MDD, MDC>
PCB3	Q2007	IC	TC74VHC541FT	1	22274541ER2TO	<MDD, MDC>
PCB3	Q2007 or	IC	TC74VHC541FT(EKJ)	(1)	22274541E1R2TO	<MDD, MDC>
PCB3	Q2008	IC	4053BFT(TC4053BFT)	1	222840533R2TO	<MDD, MDC>
PCB3	Q4002	IC	AN15881A-VT	1	22242318R3	
PCB3	Q6601	TR	KRC105S	1	2217290R2	
PCB3	Q6601 or	TR	RN1405	(1)	2214500R2	
PCB3	Q6601 or	TR	DTC123JKA	(1)	2216690R2	
PCB3	Q6602	TR	KRC105S	1	2217290R2	
PCB3	Q6602 or	TR	RN1405	(1)	2214500R2	
PCB3	Q6602 or	TR	DTC123JKA	(1)	2216690R2	
PCB3	Q6603	TR	KRC105S	1	2217290R2	
PCB3	Q6603 or	TR	RN1405	(1)	2214500R2	
PCB3	Q6603 or	TR	DTC123JKA	(1)	2216690R2	
PCB3	Q6604	TR	KRC105S	1	2217290R2	
PCB3	Q6604 or	TR	RN1405	(1)	2214500R2	

PCB3	Q6604 or	TR	DTC123JKA	(1)	2216690R2
PCB3	Q9001	TR	2SC2235-Y(TPE6_F)	1	2211654T
PCB3	Q9002	TR	KRC105S	1	2217290R2
PCB3	Q9002 or	TR	RN1405	(1)	2214500R2
PCB3	Q9002 or	TR	DTC123JKA	(1)	2216690R2
PCB3	Q9022	IC	BA00JC5WT-V5	1	222580002
PCB3	Q9022A	SCREW	3P+10FN(3BC)	1	82143010GR
PCB3	Q9031	IC	MPC2905BHF	1	22278005DBNE
PCB3	Q9031A	SCREW	3P+10FN(3BC)	1	82143010GR
PCB3	Q9031B	HEAT SINK	RAD-231	1	27160592
PCB3	D103	C-DIODE	1SS355	1	223269R2
PCB3	D103 or	C-DIODE	1SS352	(1)	223234R2
PCB3	D103 or	C-DIODE	KDS4148U	(1)	223283R2
PCB3	D103 or	C-DIODE	MA2J111	(1)	223279R2
PCB3	D104	C-DIODE	1SS355	1	223269R2
PCB3	D104 or	C-DIODE	1SS352	(1)	223234R2
PCB3	D104 or	C-DIODE	KDS4148U	(1)	223283R2
PCB3	D104 or	C-DIODE	MA2J111	(1)	223279R2
PCB3	D404	ZENER D	UDZS5.1B	1	224550510R2
PCB3	D601	C-DIODE	1SS355	1	223269R2
PCB3	D601 or	C-DIODE	1SS352	(1)	223234R2
PCB3	D601 or	C-DIODE	KDS4148U	(1)	223283R2
PCB3	D601 or	C-DIODE	MA2J111	(1)	223279R2
PCB3	D604	C-DIODE	1SS355	1	223269R2
PCB3	D604 or	C-DIODE	1SS352	(1)	223234R2
PCB3	D604 or	C-DIODE	KDS4148U	(1)	223283R2
PCB3	D604 or	C-DIODE	MA2J111	(1)	223279R2
PCB3	D701	C-DIODE	1SS355	1	223269R2
PCB3	D701 or	C-DIODE	1SS352	(1)	223234R2
PCB3	D701 or	C-DIODE	KDS4148U	(1)	223283R2
PCB3	D701 or	C-DIODE	MA2J111	(1)	223279R2
PCB3	D702	C-DIODE	1SS355	1	223269R2
PCB3	D702 or	C-DIODE	1SS352	(1)	223234R2
PCB3	D702 or	C-DIODE	KDS4148U	(1)	223283R2
PCB3	D702 or	C-DIODE	MA2J111	(1)	223279R2
PCB3	D703	C-DIODE	1SS355	1	223269R2
PCB3	D703 or	C-DIODE	1SS352	(1)	223234R2
PCB3	D703 or	C-DIODE	KDS4148U	(1)	223283R2
PCB3	D703 or	C-DIODE	MA2J111	(1)	223279R2
PCB3	D705	C-DIODE	1SS355	1	223269R2
PCB3	D705 or	C-DIODE	1SS352	(1)	223234R2
PCB3	D705 or	C-DIODE	KDS4148U	(1)	223283R2
PCB3	D705 or	C-DIODE	MA2J111	(1)	223279R2
PCB3	D706	C-DIODE	1SS355	1	223269R2
PCB3	D706 or	C-DIODE	1SS352	(1)	223234R2
PCB3	D706 or	C-DIODE	KDS4148U	(1)	223283R2
PCB3	D706 or	C-DIODE	MA2J111	(1)	223279R2
PCB3	D741	C-DIODE	CRS09(TE85L_Q)	1	223274R2
PCB3	D742	C-DIODE	1SS355	1	223269R2
PCB3	D742 or	C-DIODE	1SS352	(1)	223234R2
PCB3	D742 or	C-DIODE	KDS4148U	(1)	223283R2

PCB3	D742 or	C-DIODE	MA2J111	(1)	223279R2	
PCB3	D743	C-DIODE	1SS355	1	223269R2	
PCB3	D743 or	C-DIODE	1SS352	(1)	223234R2	
PCB3	D743 or	C-DIODE	KDS4148U	(1)	223283R2	
PCB3	D743 or	C-DIODE	MA2J111	(1)	223279R2	
PCB3	D744	DIODE	RL1N4003	1	22380260T	
PCB3	D744 or	DIODE	GP104003E	(1)	22380035T	
PCB3	D2001	ZENER D	UDZS5.1B	1	224550510R2	<MDD, MDC>
PCB3	D2001 or	ZENER D	MAZ8051-M	(1)	224750512R2	<MDD, MDC>
PCB3	D6600	C-DIODE	1SS352	1	223234R2	
PCB3	D6600 or	C-DIODE	1SS355	(1)	223269R2	
PCB3	D6603	C-DIODE	1SS352	1	223234R2	
PCB3	D6603 or	C-DIODE	1SS355	(1)	223269R2	
PCB3	D6605	C-DIODE	1SS352	1	223234R2	
PCB3	D6605 or	C-DIODE	1SS355	(1)	223269R2	
PCB3	D6607	C-DIODE	1SS352	1	223234R2	
PCB3	D6607 or	C-DIODE	1SS355	(1)	223269R2	
PCB3	D9002	DIODE	RL1N4003	1	22380260T	
PCB3	D9002 or	DIODE	GP104003E	(1)	22380035T	
PCB3	D9005	ZENER D	UDZS36B	1	224553600R2	
PCB3	D9011	DIODE	D3SBA20	1	22380271F	
PCB3	D9011 or	DIODE	RBV402	(1)	22380022F	
PCB3	D9012	C-DIODE	1SS352	1	223234R2	
PCB3	D9012 or	C-DIODE	1SS355	(1)	223269R2	
PCB3	D9013	C-DIODE	1SS352	1	223234R2	
PCB3	D9013 or	C-DIODE	1SS355	(1)	223269R2	
PCB3	D9014	C-DIODE	1SS352	1	223234R2	
PCB3	D9014 or	C-DIODE	1SS355	(1)	223269R2	
PCB3	D9015	C-DIODE	1SS352	1	223234R2	
PCB3	D9015 or	C-DIODE	1SS355	(1)	223269R2	
PCB3	D9017	C-DIODE	1SS352	1	223234R2	
PCB3	D9017 or	C-DIODE	1SS355	(1)	223269R2	
PCB3	D9018	DIODE	RL1N4003	1	22380260T	
PCB3	D9018 or	DIODE	GP104003E	(1)	22380035T	
PCB3	D9020	C-DIODE	1SS352	1	223234R2	
PCB3	D9020 or	C-DIODE	1SS355	(1)	223269R2	
PCB3	D9022	DIODE	RL1N4003	1	22380260T	
PCB3	D9022 or	DIODE	GP104003E	(1)	22380035T	
PCB3	D9024	ZENER D	UDZ3.3B	1	224490330R2	
PCB3	X171	CRYSTAL	HC-49US24.576MHz	1	3010423T	
PCB3	X171 or	CRYSTAL	HC-49/U03-24.576M	(1)	3010314T	
PCB3	X701	CERA LOCK	CSTCR6M0055-R0	1	3010397R2	
PCB3	X2001	CRYSTAL	DSX840GA 45.1584MHz	1	3010420R2	<MDD, MDC>
PCB3	L131	CHOKE COIL	LBC2518T2R2M	1	231364M022R2	
PCB3	L132	CHOKE COIL	LBC2518T2R2M	1	231364M022R2	
PCB3	L133	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	
PCB3	L134	CHOKE COIL	LBC2518T470M	1	231364M470R2	
PCB3	L151	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB3	L152	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB3	L171	CHOKE COIL	LBC2518T470M	1	231364M470R2	
PCB3	L172	EMIFIL	BK1608LM182-T	1	230958R1	

PCB3	L173	EMIFIL	BK1608LM182-T	1	230958R1	
PCB3	L201	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB3	L202	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB3	L203	EMIFIL	BK1608LL241-T	1	230959R1	
PCB3	L241	EMIFIL	ACF451832-333-T	1	230978R2	
PCB3	L281	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB3	L282	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB3	L283	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB3	L284	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB3	L302	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	
PCB3	L303	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	
PCB3	L304	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	
PCB3	L312	EMIFIL	BK1608LM182-T	1	230958R1	
PCB3	L313	EMIFIL	BK1608LM182-T	1	230958R1	
PCB3	L741	CHOKE COIL	NCH-2541	1	231363K470	
PCB3	L2001	CHOKE COIL	LBC2518T2R2M	1	231364M022R2	<MDD, MDC>
PCB3	L2002	EMIFIL	BK1608LM182-T	1	230958R1	<MDD, MDC>
PCB3	L2003	CHOKE COIL	LBC2518T2R2M	1	231364M022R2	<MDD, MDC>
PCB3	L2004	CHOKE COIL	BLM21PG221SN1	1	230949R2	<MDD, MDC>
PCB3	L2005	CHOKE COIL	BLM21PG221SN1	1	230949R2	<MDD, MDC>
PCB3	L2006	CHOKE COIL	BLM21PG221SN1	1	230949R2	<MDD, MDC>
PCB3	L4001	C-CARBON R	RN72K2E-022JE	1	435220224R1	
PCB3	L4010	C-CARBON R	RN72K2E-220JE	1	435222204R1	
PCB3	L4011	C-CARBON R	RN72K2E-022JE	1	435220224R1	
PCB3	L4015	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	
PCB3	L6600	S COIL	S-1.3C	1	231176S	<MPA>
PCB3	L6601	S COIL	S-1.3C	1	231176S	<MPA>
PCB3	L6602	S COIL	S-1.3C	1	231176S	<MPA>
PCB3	L6603	S COIL	S-1.3C	1	231176S	<MPA>
PCB3	L6604	S COIL	S-1.3C	1	231176S	<MPA>
PCB3	L6605	S COIL	S-1.3C	1	231176S	<MPA>
PCB3	L6606	S COIL	S-1.3C	1	231176S	<MPA>
PCB3	C102	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C103	UTSP C	CE04W25V-100M(UTSP)	1	397551017T	
PCB3	C104	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C106	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C107	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C108	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C131	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB3	C132	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB3	C133	C-CERA C	CK725B1C-104K1	1	332121045R1	
PCB3	C134	C-CERA C	CK725B1C-104K1	1	332121045R1	
PCB3	C135	C-CERA C	CC725CH1H-080D1	1	342100802R1	
PCB3	C136	C-CERA C	CC725CH1H-080D1	1	342100802R1	
PCB3	C139	VR C	CE04W6.3V-220M(VR)	1	394622217T	
PCB3	C140	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C141	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C142	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C145	VR C	CE04W6.3V-220M(VR)	1	394622217T	
PCB3	C146	C-CERA C	CK725B1H-103K1	1	332101035R1	
PCB3	C147	C-CERA C	CK725B1H-103K1	1	332101035R1	

PCB3	C151	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C152	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C171	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C172	C-CERA C	CC725CH1H-060D1	1	342100602R1	
PCB3	C173	C-CERA C	CC725CH1H-060D1	1	342100602R1	
PCB3	C201	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C202	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C203	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C204	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C205	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C206	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C207	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C208	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C209	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C210	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C211	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C213	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C214	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C215	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C221	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C222	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C223	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C224	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C225	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C226	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C227	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C228	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C229	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C230	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C231	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C232	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C241	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	C242	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C245	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB3	C271	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	C272	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	C281	VR C	CE04W6.3V-220M(VR)	1	394622217T	
PCB3	C282	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C283	VR C	CE04W6.3V-220M(VR)	1	394622217T	
PCB3	C284	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C285	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C286	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C287	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C288	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C289	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C290	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C291	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C301	C-CERA C	CK725F1H-103Z1	1	332151030R1	
PCB3	C302	UTSP C	CE04W10V-470M(UTSP)	1	397534717T	
PCB3	C303	UTSP C	CE04W10V-470M(UTSP)	1	397534717T	
PCB3	C304	UTSP C	CE04W10V-470M(UTSP)	1	397534717T	

PCB3	C305	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C306	RFS C	CE04W25V-47M(RFS)	1	395954707T	
PCB3	C307	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C308	UTSP C	CE04W10V-100M(UTSP)	1	397531017T	
PCB3	C309	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C310	C-CERA C	CK725B1H-222K1	1	332102225R1	
PCB3	C311	C-CERA C	CK725B1H-473K1	1	332104735R1	
PCB3	C312	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C313	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C314	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C315	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C316	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB3	C318	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C319	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C320	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C321	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C322	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C323	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C324	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C325	C-CERA C	CC732CH1H-222J	1	347342224R2	
PCB3	C326	C-CERA C	CC732CH1H-222J	1	347342224R2	
PCB3	C333	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB3	C334	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB3	C336	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB3	C337	C-CERA C	CC725CH1H-330J1	1	342103304R1	
PCB3	C341	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB3	C342	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB3	C401	TF C	ECQ-B50V-472J	1	374724724T	
PCB3	C402	TF C	ECQ-B50V-472J	1	374724724T	
PCB3	C403	TF C	ECQ-B50V-472J	1	374724724T	
PCB3	C404	TF C	ECQ-V50V-333J	1	374723334T	
PCB3	C405	TF C	ECQ-B50V-472J	1	374724724T	
PCB3	C406	TF C	ECQ-B50V-472J	1	374724724T	
PCB3	C407	TF C	ECQ-B50V-472J	1	374724724T	
PCB3	C408	TF C	ECQ-B50V-472J	1	374724724T	
PCB3	C411	TF C	ECQ-B50V-681J	1	374726814T	
PCB3	C412	TF C	ECQ-B50V-681J	1	374726814T	
PCB3	C413	TF C	ECQ-B50V-681J	1	374726814T	
PCB3	C414	TF C	ECQ-B50V-153J	1	374721534T	
PCB3	C415	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB3	C416	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB3	C417	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB3	C418	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB3	C421	TF C	ECQ-B50V-681J	1	374726814T	
PCB3	C422	TF C	ECQ-B50V-681J	1	374726814T	
PCB3	C423	TF C	ECQ-B50V-681J	1	374726814T	
PCB3	C424	TF C	ECQ-B50V-153J	1	374721534T	
PCB3	C425	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB3	C426	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB3	C427	C-CERA C	CC725CH1H-681J1	1	342106814R1	
PCB3	C428	C-CERA C	CC725CH1H-681J1	1	342106814R1	

PCB3	C591	UTSP C	CE04W25V-220M(UTSP)	1	397552217T	
PCB3	C592	UTSP C	CE04W25V-220M(UTSP)	1	397552217T	
PCB3	C600	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C601	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C602	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C603	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C604	UTSP C	CE04W50V-4.7M(UTSP)	1	397580477T	
PCB3	C605	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C606	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB3	C607	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB3	C608	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C609	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C610	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB3	C611	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C612	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB3	C613	C-CERA C	CK732B1A-105K	1	337361055R2	
PCB3	C614	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C615	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C616	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB3	C617	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB3	C618	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB3	C619	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB3	C620	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB3	C621	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB3	C622	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB3	C623	C-CERA C	CC725CH1H-101J1	1	342101014R1	
PCB3	C624	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C625	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C626	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C627	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C628	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C629	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C701	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C702	UTSP C	CE04W10V-100M(UTSP)	1	397531017T	
PCB3	C705	UTSP C	CE04W10V-100M(UTSP)	1	397531017T	
PCB3	C706	VR C	CE04W16V-470M(VR)	1	394644717T	
PCB3	C741	VR C	CE04W16V-470M(VR)	1	394644717T	
PCB3	C742	C-CERA C	CK725B1C-104K1	1	332121045R1	
PCB3	C743	VR C	CE04W6.3V-1000M(VR)	1	394621027T	
PCB3	C745	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C746	UTSP C	CE04W10V-100M(UTSP)	1	397531017T	
PCB3	C747	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C748	UTSP C	CE04W10V-100M(UTSP)	1	397531017T	
PCB3	C751	UTSP C	CE04W50V-1M(UTSP)	1	397580107T	
PCB3	C753	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	C754	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C755	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C2001	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2002	C-CERA C	CK725B1H-102K1	1	332101025R1	<MDD, MDC>
PCB3	C2003	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2004	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>

PCB3	C2005	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2006	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2007	UTSP C	CE04W10V-100M(UTSP)	1	397531017T	<MDD, MDC>
PCB3	C2008	C-CERA C	CC725CH1H-040C1	1	342100401R1	<MDD, MDC>
PCB3	C2009	C-CERA C	CC725CH1H-080D1	1	342100802R1	<MDD, MDC>
PCB3	C2010	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2011	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2012	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2013	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2015	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2016	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	<MDD, MDC>
PCB3	C2017	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2018	UTSP C	CE04W10V-470M(UTSP)	1	397534717T	<MDD, MDC>
PCB3	C2021	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	<MDD, MDC>
PCB3	C2022	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	<MDD, MDC>
PCB3	C2023	C-CERA C	CC725CH1H-821J1	1	342108214R1	<MDD, MDC>
PCB3	C2024	C-CERA C	CC725CH1H-821J1	1	342108214R1	<MDD, MDC>
PCB3	C2025	C-CERA C	CC725CH1H-821J1	1	342108214R1	<MDD, MDC>
PCB3	C2026	C-CERA C	CC725CH1H-821J1	1	342108214R1	<MDD, MDC>
PCB3	C2027	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	<MDD, MDC>
PCB3	C2028	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	<MDD, MDC>
PCB3	C2029	VR C	CE04W16V-220M(VR)	1	394642217T	<MDD, MDC>
PCB3	C2030	VR C	CE04W16V-220M(VR)	1	394642217T	<MDD, MDC>
PCB3	C2031	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2032	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2033	UTSP C	CE04W10V-470M(UTSP)	1	397534717T	<MDD, MDC>
PCB3	C2034	UTSP C	CE04W10V-100M(UTSP)	1	397531017T	<MDD, MDC>
PCB3	C2035	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2036	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2037	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2041	C-CERA C	CK725B1H-102K1	1	332101025R1	<MDD, MDC>
PCB3	C2042	C-CERA C	CK725F1E-104Z1	1	332161040R1	<MDD, MDC>
PCB3	C2043	UTSP C	CE04W10V-100M(UTSP)	1	397531017T	<MDD, MDC>
PCB3	C2044	C-CERA C	CK725B1H-102K1	1	332101025R1	<MDD, MDC>
PCB3	C2045	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	<MDD, MDC>
PCB3	C4001	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4002	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4003	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4004	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4005	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4006	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4007	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4008	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4009	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4013	C-CERA C	CK725B1H-103K1	1	332101035R1	
PCB3	C4015	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB3	C4016	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4017	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4018	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4019	C-CERA C	CK725B1H-103K1	1	332101035R1	
PCB3	C4020	C-CERA C	CK725B1H-102K1	1	332101025R1	

PCB3	C4021	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB3	C4022	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4023	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4024	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4025	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4026	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4027	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4103	VR C	CE04W6.3V-220M(VR)	1	394622217T	
PCB3	C4104	VR C	CE04W6.3V-220M(VR)	1	394622217T	
PCB3	C4105	UTSP C	CE04W50V-22M(UTSP)	1	397582207T	
PCB3	C4106	VR C	CE04W6.3V-220M(VR)	1	394622217T	
PCB3	C4107	UTSP C	CE04W50V-22M(UTSP)	1	397582207T	
PCB3	C4108	VR C	CE04W6.3V-220M(VR)	1	394622217T	
PCB3	C4110	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4111	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4112	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4114	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	C4116	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	C4118	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	C4121	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	C4122	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4123	UTSP C	CE04W25V-47M(UTSP)	1	397554707T	
PCB3	C4124	UTSP C	CE04W25V-47M(UTSP)	1	397554707T	
PCB3	C4125	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4127	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	C4129	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	C4131	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4132	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4133	VR C	CE04W6.3V-220M(VR)	1	394622217T	
PCB3	C4134	VR C	CE04W6.3V-220M(VR)	1	394622217T	
PCB3	C4135	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4136	UTSP C	CE04W50V-22M(UTSP)	1	397582207T	
PCB3	C4137	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4138	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4139	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4140	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4141	UTSP C	CE04W25V-47M(UTSP)	1	397554707T	
PCB3	C4142	C-CERA C	CC725CH1H-181J1	1	342101814R1	
PCB3	C4143	C-CERA C	CC725CH1H-181J1	1	342101814R1	
PCB3	C4144	C-CERA C	CC725CH1H-181J1	1	342101814R1	
PCB3	C4148	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4149	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4150	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4151	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C4154	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB3	C4155	C-CERA C	CC725CH1H-221J1	1	342102214R1	
PCB3	C4158	C-CERA C	CC725CH1H-470J1	1	342104704R1	
PCB3	C4159	C-CERA C	CC725CH1H-470J1	1	342104704R1	
PCB3	C4160	C-CERA C	CC725CH1H-470J1	1	342104704R1	
PCB3	C4161	C-CERA C	CC725CH1H-181J1	1	342101814R1	
PCB3	C4162	C-CERA C	CC725CH1H-181J1	1	342101814R1	

PCB3	C4163	C-CERA C	CC725CH1H-181J1	1	342101814R1	
PCB3	C4242	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4243	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C4244	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB3	C6600	TF C	ECQ-B50V-223J	1	374722234T	
PCB3	C6602	TF C	ECQ-B50V-223J	1	374722234T	
PCB3	C6603	TF C	ECQ-B50V-223J	1	374722234T	
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PCB3	C9005	UTSP C	CE04W50V 47M(UTSP)	1	397584707T	
PCB3	C9006	C-CERA C	CK725F1H-223Z1	1	332152230R1	
PCB3	C9011	VR C	CE04W16V-10000M(VR)	1	394641037S	
PCB3	C9012	TF C	ECQ-V50V-334J	1	374723344T	
PCB3	C9013	UTSP C	CE04W50V-3.3M(UTSP)	1	397580337T	
PCB3	C9022	C-CERA C	CK725F1A-105Z1	1	332181050R1	
PCB3	C9023	UTSP C	CE04W50V-10M(UTSP)	1	397581007T	
PCB3	C9024	C-CERA C	CK725F1H-223Z1	1	332152230R1	
PCB3	C9025	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	C9031	VR C	CE04W16V-470M(VR)	1	394644717T	
PCB3	C9032	VR C	CE04W6.3V-470M(VR)	1	394624717T	
PCB3	R101	C-CARBON R	RN72K1J-000JE	1	435030004R1	<MDD, MDC>
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PCB3	R106	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB3	R107	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB3	R108	C-CARBON R	RN72K1J-105JE	1	435031054R1	
PCB3	R131	C-CARBON R	RN72K1J-750JE	1	435037504R1	
PCB3	R132	C-CARBON R	RN72K1J-750JE	1	435037504R1	
PCB3	R133	C-CARBON R	RN72K1J-100JE	1	435031004R1	
PCB3	R134	C-CARBON R	RN72K1J-100JE	1	435031004R1	
PCB3	R135	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB3	R136	C-CARBON R	RN72K1J-224JE	1	435032244R1	
PCB3	R137	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB3	R138	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB3	R141	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB3	R142	C-CARBON R	RN72K1J-470JE	1	435034704R1	

PCB3	R171	C-CARBON R	RN72K1J-105JE	1	435031054R1	
PCB3	R172	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB3	R173	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB3	R200	C-CARBON R	RN72K1J-103JE	1	435031034R1	
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PCB3	R250	C-CARBON R	RN72K1J-331JE	1	435033314R1	
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PCB3	R304	C-CARBON R	RN72K1J-221JE	1	435032214R1	
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PCB3	R306	C-CARBON R	RN72K1J-221JE	1	435032214R1	
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PCB3	R627	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB3	R628	C-CARBON R	RN72K1J-470JE	1	435034704R1	
PCB3	R629	C-CARBON R	RN72K1J-470JE	1	435034704R1	
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PCB3	R633	C-CARBON R	RN72K1J-103JE	1	435031034R1	
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PCB3	R635	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB3	R636	C-CARBON R	RN72K1J-103JE	1	435031034R1	
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PCB3	R638	C-CARBON R	RN72K1J-470JE	1	435034704R1	
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PCB3	R642	C-CARBON R	RN72K1J-221JE	1	435032214R1	<MDD, MDC>
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PCB3	R648	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB3	R649	C-CARBON R	RN72K1J-103JE	1	435031034R1	
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PCB3	R652	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB3	R653	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB3	R654	C-CARBON R	RN72K1J-103JE	1	435031034R1	
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PCB3	R663	C-CARBON R	RN72K1J-221JE	1	435032214R1	
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PCB3	R668	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB3	R669	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB3	R670	C-CARBON R	RN72K1J-221JE	1	435032214R1	
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PCB3	R672	C-CARBON R	RN72K1J-221JE	1	435032214R1	
PCB3	R673	C-CARBON R	RN72K1J-221JE	1	435032214R1	
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PCB3	R685	C-CARBON R	RN72K1J-221JE	1	435032214R1	
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PCB3	R690	C-CARBON R	RN72K1J-221JE	1	435032214R1	
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PCB3	R692	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB3	R693	C-CARBON R	RN72K1J-472JE	1	435034724R1	
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PCB3	R696	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB3	R697	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB3	R698	C-CARBON R	RN72K1J-272JE	1	435032724R1	
PCB3	R699	C-CARBON R	RN72K1J-272JE	1	435032724R1	
PCB3	R700	C-CARBON R	RN72K1J-272JE	1	435032724R1	
PCB3	R701	C-CARBON R	RN72K1J-272JE	1	435032724R1	
PCB3	R702	C-CARBON R	RN72K1J-103JE	1	435031034R1	
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PCB3	R712	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB3	R713	C-CARBON R	RN72K1J-222JE	1	435032224R1	
PCB3	R714	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB3	R715	C-CARBON R	RN72K1J-000JE	1	435030004R1	
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PCB3	R717	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB3	R718	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB3	R732	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB3	R741	C-CARBON R	RN72K1J-102JE	1	435031024R1	

PCB3	R742	C-CARBON R	RN72K1J-682JE	1	435036824R1	
PCB3	R743	C-CARBON R	RN72K1J-682JE	1	435036824R1	
PCB3	R744	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB3	R745	C-CARBON R	RN72K1J-393JE	1	435033934R1	
PCB3	R746	C-CARBON R	RN72K1J-393JE	1	435033934R1	
PCB3	R747	C-CARBON R	RN72K1J-333JE	1	435033334R1	
PCB3	R748	METAL R	RNU1/2WCJ-2.2	1	453530224T	
PCB3	R749	C-CARBON R	RN72K1J-392JE	1	435033924R1	
PCB3	R2001	C-CARBON R	RN72K1J-104JE	1	435031044R1	<MDD, MDC>
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PCB3	R2039	C-CARBON R	RN72K1J-220JE	1	435032204R1	<MDD, MDC>
PCB3	R2044	C-CARBON R	RN72K1J-221JE	1	435032214R1	<MDD, MDC>
PCB3	R2047	METAL O R	RS1/2WBJ-22	1	443522204T	<MDD, MDC>
PCB3	R2051	C-CARBON R	RN72K1J-104JE	1	435031044R1	<MDD, MDC>
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PCB3	R4003	C-CARBON R	RN72K1J-750JE	1	435037504R1	
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PCB3	R4006	C-CARBON R	RN72K1J-750JE	1	435037504R1	
PCB3	R4007	C-CARBON R	RN72K1J-750JE	1	435037504R1	
PCB3	R4008	C-CARBON R	RN72K1J-750JE	1	435037504R1	
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PCB3	R4016	C-CARBON R	RN72K1J-750JE	1	435037504R1	
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PCB3	R4018	C-CARBON R	RN72K1J-750JE	1	435037504R1	
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PCB3	R4021	C-CARBON R	RN72K1J-750JE	1	435037504R1	
PCB3	R4022	C-CARBON R	RN72K1J-750JE	1	435037504R1	
PCB3	R4023	C-CARBON R	RN72K1J-750JE	1	435037504R1	
PCB3	R4024	C-CARBON R	RN72K1J-750JE	1	435037504R1	
PCB3	R4025	C-CARBON R	RN72K1J-750JE	1	435037504R1	
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PCB3	R4027	C-CARBON R	RN72K1J-750JE	1	435037504R1	
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PCB3	R4030	C-CARBON R	RN72K1J-750JE	1	435037504R1	
PCB3	R4136	C-CARBON R	RN72K1J-330JE	1	435033304R1	
PCB3	R4150	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB3	R4151	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB3	R4152	C-CARBON R	RN72K1J-000JE	1	435030004R1	
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PCB3	R4160	C-CARBON R	RN72K1J-750JE	1	435037504R1	
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PCB3	R4162	C-CARBON R	RN72K1J-750JE	1	435037504R1	
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PCB3	R4202	C-CARBON R	RN72K1J-750JE	1	435037504R1	
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PCB3	R4206	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB3	R4210	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB3	R4211	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB3	R4212	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB3	R4213	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB3	R4214	C-CARBON R	RN72K1J-104JE	1	435031044R1	
PCB3	R4215	C-CARBON R	RN72K1J-104JE	1	435031044R1	
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PCB3	R6691	METAL O R	RS1/2WBJ-390	1	443523914T	
PCB3	R6992	METAL O R	RS1/2WBJ-390	1	443523914T	
PCB3	R9001	METAL R	RNU2WCJ-3.3	1	452730334F	
PCB3	R9002	METAL R	RNU2WCJ-3.3	1	452730334F	
PCB3	R9003	C-CARBON R	RN72K1J-822JE	1	435038224R1	
PCB3	R9004	C-CARBON R	RN72K1J-333JE	1	435033334R1	
PCB3	R9005	METAL O R	RS1/2WBJ-220	1	443522214T	
PCB3	R9006	C-CARBON R	RN72K1J-822JE	1	435038224R1	
PCB3	R9010	METAL O R	RS1/2WBJ-82	1	443528204T	
PCB3	R9011	METAL R	RNU1/2WCJ-4.7	1	453530474T	
PCB3	R9012	C-CARBON R	RN72K1J-010JE	1	435030104R1	
PCB3	R9013	C-CARBON R	RN72K1J-010JE	1	435030104R1	
PCB3	R9014	C-CARBON R	RN72K1J-104JE	1	435031044R1	
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PCB3	R9023	C-CARBON R	RN72K1J-682JE	1	435036824R1	
PCB3	R9024	C-CARBON R	RN72K1J-333JE	1	435033334R1	
PCB3	R9029	METAL R	RNU1/2WCJ-0.47	1	453534794T	
PCB3	R9035	METAL R	RNU2WCJ-1.8	1	452730184F	
PCB3	R9036	METAL R	RNU2WCJ-1.8	1	452730184F	
PCB3	RL6600	RELAY	NRL-2P5A-DC24-158	1	25065618	
PCB3	RL6600 or	RELAY	NRL-2P5A-DC24-129	(1)	25065563A	
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PCB3	RL6603	RELAY	NRL-2P5A-DC24-158	1	25065618	
PCB3	RL6603 or	RELAY	NRL-2P5A-DC24-129	(1)	25065563A	
PCB3	RL6605	RELAY	NRL-2P5A-DC24-158	1	25065618	
PCB3	RL6605 or	RELAY	NRL-2P5A-DC24-129	(1)	25065563A	
PCB3	RL6607	RELAY	NRL-2P5A-DC24-158	1	25065618	
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PCB3	P101A	SOCKET	NSCT-13P2106	1	25052209	
PCB3	P131	PIN JACK	NPJ-2PDOO626	1	25045847	
PCB3	P131 or	PIN JACK	NPJ-2PDO445	(1)	25045640	
PCB3	P302A	SOCKET	NSCT-14P2194	1	25052297	
PCB3	P303A	SOCKET	NSCT-14P2194	1	25052297	
PCB3	P304A	SOCKET	NSCT-3P2183	1	25052286	
PCB3	P701A	SOCKET	52492-3220	1	25053224	
PCB3	P751A	SOCKET	NSCT-9P2427	1	25052530	
PCB3	P2001	SOCKET	CAM-C16	1	25053104R2	<MDD, MDC>
PCB3	P2002	SOCKET	YKF51-5397N	1	25053201	<MDD, MDC>
PCB3	P2004A	PLUG	IMSA-9163B-10G	1	25056587A	
PCB3	P2004B	SOCKET	IMSA-9163S-10A	1	25053107	

PCB3	P2005A	PLUG	IMSA-9163B-16G	1	25056588A	
PCB3	P2005B	SOCKET	IMSA-9163S-16A	1	25053108	
PCB3	P2006A	PLUG	IMSA-9163B-04G	1	25056586A	
PCB3	P2006B	SOCKET	IMSA-9163S-04A	1	25053106	
PCB3	P4001	PIN JACK	NPJ-6PDGLRGLR646	1	25045871	
PCB3	P4002	PIN JACK	NPJ-6PDGLRGLR646	1	25045871	
PCB3	P4004	PIN JACK	NPJ-10PDBY621	1	25045842	
PCB3	P4004 or	PIN JACK	NPJ-10PDBY478	(1)	25045681	
PCB3	P4005	PIN JACK	NPJ-10PDBY621	1	25045842	
PCB3	P4005 or	PIN JACK	NPJ-10PDBY478	(1)	25045681	
PCB3	P4006	PIN JACK	NPJ-5PDBY622	1	25045843	
PCB3	P4006 or	PIN JACK	NPJ-5PDBY479	(1)	25045682	
PCB3	P6601	TRM	NTM-6PDMCWRG410	1	25060482	
PCB3	P6601 or	TRM	NTM-6PDMC392	(1)	25060463	
PCB3	P6602	TRM	NTM-8PDMCNTLE411	1	25060483	
PCB3	P6602 or	TRM	NTM-8PDMC393	(1)	25060464	
PCB3	E2001	TRM(SCREW)	M3	1	25065425	<MDD, MDC>
PCB3	E2002	TRM(SCREW)	M3	1	25065425	<MDD, MDC>
PCB3	E2003	RETAINER	(XM)	1	27142048	<MDD, MDC>
PCB3	E9001	TRM(SCREW)	M3	1	25065425	
PCB3	JL101	JUMPER LEAD	JL11 300 B	1	---	<MDD, MDC>,NSI
PCB3	JL101A	WIRE HOL	NSCT-11P882	1	25051095	<MDD, MDC>
PCB3	JL101B	WIRE TRAP	NPLG-11P594	1	25055632	<MDD, MDC>
PCB3	JL5502B	WIRE TRAP	NPLG-7P590	1	25055628	<MDD, MDC>
PCB3	JL6402B	WIRE TRAP	NPLG-3P586	1	25055624	
PCB3	JL6600B	SOCKET	NSCT-7P99	1	25050271	
PCB3	JL6603B	SOCKET	NSCT-9P101	1	25050273	
PCB3	JL6604B	SOCKET	NSCT-4P96	1	25050268	
PCB3	JL6605B	SOCKET	NSCT-5P97	1	25050269	
PCB3	JL8001	JUMPER LEAD	JL4 250 B	1	---	NSP

PCB3	JL8001A	WIRE HOL	NSCT-4P875	1	25051088	
PCB3	JL8002	JUMPER LEAD	JL3 250 B	1	---	NSP
PCB3	JL8002A	WIRE HOL	NSCT-3P874	1	25051087	
PCB3	JL901B	WIRE TRAP	NPLG-5P588	1	25055626	
PCB3	JL9101B	SOCKET	NSCT-6P98	1	25050270	
PCB3	A171	TAPE	TAPE(CLOTH-16U)	(1)	29110083	

PCB4 **U14** HDMI PC BOARD (NAHDM-9199-1B)

PCB4

	CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
PCB4	Q8001	IC	S-812C50BUC-C5ET2G	1	22242407R2	
PCB4	Q8002	IC	BA33BC0FP	1	22278033DR2RH	
PCB4	Q8002 or	IC	UPC2933TAT-E1-A	(1)	22278033DR2NE	
PCB4	Q8002 or	IC	TA48033AF(TE16L_NQ)	(1)	22278033DR2TO	
PCB4	Q8003	IC	AD8196	1	22242408R2	
PCB4	Q8004	TR ARRAY	UM6K1N	1	226066R2	
PCB4	Q8004 or	TR ARRAY	UPA672T	(1)	226067R2	
PCB4	Q8005	IC	SI8008TM	1	22242323R2	
PCB4	D8001	C-DIODE	1SS226(TE85L_F)	1	223266R2	
PCB4	D8001 or	DIODE	DAN217T146	(1)	223285R2	
PCB4	D8002	C-DIODE	1SS226(TE85L_F)	1	223266R2	
PCB4	D8002 or	DIODE	DAN217T146	(1)	223285R2	
PCB4	D8003	C-DIODE	1SS226(TE85L_F)	1	223266R2	
PCB4	D8003 or	DIODE	DAN217T146	(1)	223285R2	
PCB4	D8004	ZENER D	UDZS5.6B	1	224550560R2	
PCB4	D8005	C-DIODE	1SS355	1	223269R2	
PCB4	D8005 or	C-DIODE	1SS352	(1)	223234R2	
PCB4	D8005 or	C-DIODE	KDS4148U	(1)	223283R2	
PCB4	D8005 or	C-DIODE	MA2J111	(1)	223279R2	
PCB4	D8006	C-DIODE	CRS09(TE85L_Q)	1	223274R2	
PCB4	L8001	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	
PCB4	L8002	CHOKE COIL	LBC2518T2R2M	1	231364M022R2	
PCB4	L8003	CORE	DLP2ADN900HL4L	1	230990R2	
PCB4	L8004	CORE	DLP2ADN900HL4L	1	230990R2	
PCB4	L8005	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	
PCB4	L8006	CHOKE COIL	NCH-2541	1	231363K470	
PCB4	L8007	CHOKE COIL	BLM21PG221SN1	1	230949R2	
PCB4	C8001	CHIP ELECT C	CEWT16V-470M	1	395744717R2	
PCB4	C8002	C-CERA C	CK725F1A-105Z1	1	332181050R1	
PCB4	C8003	CHIP ELECT C	CEWX16V-22M	1	398142207R2	
PCB4	C8004	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB4	C8005	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB4	C8007	C-CERA C	CC725CH1H-471J1	1	342104714R1	
PCB4	C8008	CHIP ELECT C	CEWT16V-470M	1	395744717R2	
PCB4	C8009	CHIP ELECT C	CEWX4V-220M	1	3981G2217R2	
PCB4	C8010	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB4	C8011	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB4	C8012	CHIP ELECT C	CEWX4V-22M	1	3981G2207R2	
PCB4	C8013	C-CERA C	CK725F1A-105Z1	1	332181050R1	
PCB4	C8014	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB4	C8015	C-CERA C	CK725F1A-105Z1	1	332181050R1	

PCB4	C8016	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB4	C8017	C-CERA C	CK725F1A-105Z1	1	332181050R1	
PCB4	C8018	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB4	C8019	C-CERA C	CK725F1A-105Z1	1	332181050R1	
PCB4	C8020	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB4	C8021	C-CERA C	CK725F1A-105Z1	1	332181050R1	
PCB4	C8022	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB4	C8023	C-CERA C	CK725F1A-105Z1	1	332181050R1	
PCB4	C8024	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB4	C8025	C-CERA C	CK725F1A-105Z1	1	332181050R1	
PCB4	C8026	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB4	C8027	C-CERA C	CK725F1A-105Z1	1	332181050R1	
PCB4	C8028	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB4	C8029	CHIP ELECT C	CEWX4V-22M	1	3981G2207R2	
PCB4	C8030	C-CERA C	CK725F1A-105Z1	1	332181050R1	
PCB4	C8031	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB4	C8032	C-CERA C	CK725F1A-105Z1	1	332181050R1	
PCB4	C8033	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB4	C8034	C-CERA C	CK725F1A-105Z1	1	332181050R1	
PCB4	C8035	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB4	C8036	C-CERA C	CK725F1A-105Z1	1	332181050R1	
PCB4	C8037	C-CERA C	CK725B1H-102K1	1	332101025R1	
PCB4	C8038	C-CERA C	CK725F1A-105Z1	1	332181050R1	
PCB4	C8039	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB4	C8040	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB4	C8041	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB4	C8042	C-CERA C	CK725F1E-104Z1	1	332161040R1	
PCB4	R8001	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB4	R8002	C-CARBON R	RN72K1J-562JE	1	435035624R1	
PCB4	R8005	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB4	R8006	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB4	R8007	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB4	R8008	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB4	R8009	C-CARBON R	RN72K1J-182JE	1	435031824R1	
PCB4	R8010	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB4	R8011	METAL R	RNU1/2WCJ-5.6	1	453530564T	
PCB4	R8012	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB4	R8013	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB4	R8019	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB4	R8020	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB4	R8021	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB4	R8022	C-CARBON R	RN72K1J-102JE	1	435031024R1	
PCB4	R8023	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB4	R8024	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB4	R8025	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB4	R8026	C-CARBON R	RN72K1J-000JE	1	435030004R1	
PCB4	R8027	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB4	R8028	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB4	R8029	C-CARBON R	RN72K1J-472JE	1	435034724R1	
PCB4	R8030	C-CARBON R	RN72K1J-103JE	1	435031034R1	
PCB4	R8031	C-CARBON R	RN72K1J-103JE	1	435031034R1	

PCB4	R8032	C-CARBON R	RN72K1J-152JE	1	435031524R1	
PCB4	R8034	C-CARBON R	RN72K1J-152JE	1	435031524R1	
PCB4	P8002	SOCKET	CSS5019-0411FSZ	1	25053198R3	
PCB4	P8003	SOCKET	CSS5019-0411FSZ	1	25053198R3	
PCB4	P8004	SOCKET	CSS5019-0411FSZ	1	25053198R3	
PCB4	JL8001B	WIRE TRAP	NPLG-4P587	1	25055625	
PCB4	JL8002B	WIRE TRAP	NPLG-3P586	1	25055624	

HT-SR800

PACKING PROCEDURE PARTS LIST

<Notes>
(B) : Black model
(S) : Silver model
<MDD> : USA model
<MDC> : Canadian model
<MPA> : Australian model

RECEIVER SECTION (HT-R550)

	REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
PACKING	A601	PAD	(L & R / 1set)	1	29092352	
PACKING	A610	POLY BAG	W850 x D650	1	29100245	
PACKING	A625	POLY BAG	D250 x D300 x W300 (t0.04)	1	29100256	
PACKING	A626	POLY BAG	W250 x D350	1	29100250	<MPA>
PACKING	A631	TAPE	NITTO NO.29 (Yellow)	(1)	29110149	
PACKING	A656	LABEL	(DES), 2sheets	1	29364761	(B) <MDD>
PACKING	A656	LABEL	(DES), 2sheets	1	29364762	(B) <MDC>
PACKING	A656	LABEL	(DES), 2sheets	1	29364763	(B) <MPA>
PACKING	A656	LABEL	(DES), 2sheets	1	29364764	(S) <MDC>
PACKING	A656	LABEL	(DES), 2sheets	1	29364765	(S) <MPA>
PACKING	A801	INS MANUAL	En (HT-SR800	1	29344416A	
PACKING	A802	INS MANUAL	FrEs (HT-SR800)	1	29344417A	<MDC>
PACKING	A803	INS MANUAL	En (QSS_HT-SR800)	1	29344427	
PACKING	A804	INS MANUAL	En (505/550/575_XM/SIRIUS)	1	29344415A	<MDD>
PACKING	A804	INS MANUAL	En (505/550/575_XM/SIRIUS)	1	29344415A	<MDC>
PACKING	A805	INS MANUAL	FrEs (505/550/575_XM/SIRIUS)	1	29344425A	<MDC>
PACKING	A806	INS MANUAL	U9 (RC-681/682/683/684)	1	29344414	
PACKING	A807	INST SHEET	En (XM RADIO)	1	29355602	<MDD>
PACKING	A807	INST SHEET	En (XM RADIO)	1	29355602	<MDC>
PACKING	A808	WRNTY CARD	(ONKYO)	1	29365102A	<MDD>
PACKING	A808	WRNTY CARD	(ONKYO)	1	29365102A	<MDC>
PACKING	A809	HANDBILL	(DS-A2X) US	1	29380150	<MDD>
PACKING	A809	HANDBILL	(DS-A2X) US	1	29380150	<MDC>
PACKING	A809	HANDBILL	(DS-A2X) AUS	1	29380152	<MPA>
PACKING	A810	HANDBILL	(SIRIUS)	1	29380149	<MDD>
PACKING	A810	HANDBILL	(SIRIUS)	1	29380149	<MDC>
PACKING	A811	REMO CON	RC-681M	1	24140681	
PACKING	A812	BATTERY	R6/AA (UM-3)	2	3010194	
PACKING	A812 or	BATTERY	R6/AA (UM-3)	(2)	3010054	
PACKING	A813	ANT COIL	NMA-3057	1	232140	
PACKING	A814	FM ANT AS	Type W	1	292191	
PACKING	A815	MIC AS (SETUP)	MIC-5000	1	1B068MIC	
PACKING	A816	TRM	(WRENCH)	1	25060468	

SPEAKER SECTION (HTP-550)

	REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
PACKING	SP01	POLY BAG	1000L x 720W x 0.025T (For SKW)	1	700-820013-11	
PACKING	SP03	POLY BAG	300L x 100W x 0.05T (For AC CABLE)	1	700-210001-11	
PACKING	SP04	TAPE	NITTO NO.29 W18 (Yellow)	(1)	29110149	
PACKING	SP05	TOP POLYFOAM	(TOP)	1	720-SR800T-00	

PACKING	SP06	CENTER POLYFOAM	(CENTER)	1	720-SR800C-00	
PACKING	SP07	BOTTOM POLYFOAM	(BOTTOM)	1	720-SR800B-00	
PACKING	SP08	DUMMY POLYFOAM	(DUMMY)	1	720-TS790D-00	
PACKING	SP09	POLY BAG	665L x 405W x 0.025T (For SKF/SKC)	3	700-820014-11	
PACKING	SP11	POLY BAG	440L x 320W x 0.025T (For SKM/SKB)	4	700-820012-11	
PACKING	SP12a	CARTON BOX	HT-SR800(B) / MDD	1	730-1R800B-10	(B) <MDD>
PACKING	SP12b	CARTON BOX	HT-SR800(B) / MDC	1	730-0R800B-10	(B) <MDC>
PACKING	SP12c	CARTON BOX	HT-SR800(B) / MPA	1	730-2R800B-10	(B) <MPA>
PACKING	SP12d	CARTON BOX	HT-SR800(S) / MDC	1	730-0R800S-10	(S) <MDC>
PACKING	SP12e	CARTON BOX	HT-SR800(S) / MPA	1	730-1R800S-10	(S) <MPA>
PACKING	SP14	PP TAPE	W50	(1)	29110071 or	
PACKING	SP14 or	PP TAPE	W48 OPP TAPE	(1)	29110148 or	
PACKING	SP14 or	PP TAPE	NITTO 3703 SUPER W50L100	(1)	29110176	
PACKING	SP15	CABLE SET	SP CABLE / RCA CABLE / POLY BAG	1	319-0SR800-00	
PACKING	SP16	LEG CUSHION	15 x 15 x 1.5t / 4 pcs. 1set	1	441-915509-00	
PACKING	SP17	LEG CUSHION	Dia.7 x 1.0t / 12 pcs. 1set	1	441-801101-00	

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